



CBRT - 2020 Question Paper Grid

Government of Goa

21 November 2020

[Menu](#)

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Subjects

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Junior Scale Officer(Prescreening Test)

Passage:

Answer the following questions based on given passage:

Americans, I am aware, believe that they will produce Literature and Art, as they produce coal and steel and oil, by the judicious application of intelligence and capital; but here they do themselves injustice. The qualities that are making them masters of the world, unfit them for slighter and less serious pursuits. The future is for them the kingdom of elevators, of telephones, of motor-cars, of flying machines. Let them not idly hark back, misled by the effete traditions, to the old European dream of the kingdom of heaven ...let them say, "for Europe, Letters and Art", let America rule the world by syndicates and trusts!" For such is her true destiny, and that she conceives it to be such, is evidenced by the determination with which she has suppressed all irrelevant activities. Every kind of disinterested intellectual operation she has severely repudiated.

Itemcode : PT1051

Q1 : The essence of American character, as suggested in the passage, lies in the phrase

- (a) disinterested intellectual operation
- (b) production of coal and steel and oil
- (c) desire for mastery over the world
- (d) sane use of intelligence and wealth

Key: **D**

Itemcode : PT1052

Q2 : The statement "For such is her destiny", indicates that America is inclined to strive for

- (a) the kingdom of elevators
- (b) political power over the world
- (c) slighter and less serious pursuits
- (d) the kingdom of heaven

Key: **B**

Itemcode : PT1053

Q3 : The following is not a synonym for "effete"

- (a) affected
- (b) effective
- (c) enfeebled
- (d) effeminate

Key: **B**

Itemcode : PT1054

Q4 : The statement about "producing Literature and Art as coal, steel and oil" implies

- (a) a materialistic approach to creative work
- (b) a realistic view of literature and art
- (c) a prudent view of cultural activity
- (d) a keen interest in refinement of spirit

Key: **A**

Itemcode : PT1055

Q5 : Select the option closest in meaning to the phrase "severely repudiated" in the passage

- (a) refused to fulfil
- (b) refused to discharge
- (c) rejected outright
- (d) refused to accept

Key: **C**

Passage:

Answer the following based on the passage:

Ordinarily, if a man goes out in the street and shoots down another man, he is apt to feel sorry for it, thinking that he has done wrong. But if the same man, as a soldier in his regiment, kills not one but plenty, he is certain to feel glad and think that he has done his duty remarkably well. Thus, it is not the thing that defines duty. To give an objective definition of duty is thus entirely impossible. Yet there is duty from the subjective side. Any action that makes us go God-ward is a good action, and is our duty; any action that makes us go downwards is evil and is not our duty.

Itemcode : PT1056

Q6 : "Thus, it is not the thing done that defines duty".

From the options given below, identify the one that implies the complete sense of the above statement.

- (a) There is duty from the subjective side
- (b) It is an objective assumption
- (c) A Godly action is our duty
- (d) It is the context of the action that defines it.

Key: **D**

Itemcode : **PT1057**

Q7 : "any action that makes us go downwards is evil and is not our duty".

Read the above statement carefully and identify the option that is the closest substitute for the meaning of "go downwards" as it is used in the context of the passage.

- (a) feel degraded
- (b) go away from God
- (c) leads to shame
- (d) fall on our knees

Key: **B**

Itemcode : **PT1058**

Q8 : In the light of the passage, say whether the following statements are true or false.

- (i) It is entirely impossible to define duty objectively;
- (ii) it is somewhat possible to gauge it subjectively.

- (a) both (i) and (ii) are true
- (b) both (i) and (ii) are false
- (c) (i) is false; but (ii) is true.
- (d) (i) is true; but (ii) is false

Key: **A**

Itemcode : **PT1059**

Q9 : Choose the option that is synonymous to "regiment" in the above passage

- (a) uniform
- (b) armed forces
- (c) army unit
- (d) senses

Key: **C**

Itemcode : **PT1060**

Q10 Select from the given options, the antonym of the word "remarkably"

:

- (a) extraordinarily
- (b) uncommonly
- (c) run-of-the-mill
- (d) non-strikingly

Key: **D**

Itemcode : **PT1001**

Q11 CUP : LIP :: BIRD : ?

:

- (a) GRASS
- (b) FOREST
- (c) BEAK
- (d) BUSH

Key: **C**

Itemcode : **PT1002**

Q12 Select the odd man out from the following choices:

:

- (a) Cricket
- (b) Volleyball
- (c) Billiards
- (d) Fencing

Key: **D**

Itemcode : **PT1003**

Q13 In a code language, FOLLY is written as GPMMZ. In the same language LOWER is written as

:

- (a) MPXFS
- (b) MPYFS
- (c) MPYDS
- (d) MPYCS

Key: **A**

Itemcode : **PT1004**

Q14 In a coded language COMPUTER is written as RETUPMOC. How is MACHINE written in the same code

:

- (a) DHFTCHS
(b) HGTIRDM
(c) ENIHCAM
(d) HGRMSCH
Key: **C**

Itemcode : **PT1005**

Q15 Which number is the odd one out?
: 9678 4572 5261 3527 7768

- (a) 7768
(b) 3527
(c) 4572
(d) 9678
Key: **B**

Itemcode : **PT1006**

Q16 Which number is the odd one out?
: 582, 605, 588, 611, 634, 617, 600

- (a) 634
(b) 611
(c) 605
(d) 600
Key: **A**

Itemcode : **PT1007**

Q17 What is the missing number in this series? 8 2 14 6 11 ? 14 6 18 12
:

- (a) 16
(b) 9
(c) 15
(d) 6
Key: **B**

Itemcode : **PT1008**

Q18 Look at this series: 2, 1, (1/2), (1/4), What number should come next?
:

- (a) (1/3)
(b) (1/8)
(c) (2/8)
(d) (1/16)
Key: **B**

Itemcode : **PT1009**

Q19 0.5, 0.57, 0.71, 0.92, ?
:

- (a) 0.9
(b) 1.2
(c) 0
(d) 1.25
Key: **B**

Itemcode : **PT1010**

Q20 3, 7, 16, 35, ?, 153
:

- (a) 84
(b) 74
(c) 78
(d) None of the above
Key: **B**

Itemcode : **PT1011**

Q21 If the radius of a circle is diminished by 10%, then its area is diminished by:
:

- (a) 10%
(b) 19%
(c) 20%
(d) 36%
Key: **B**

Itemcode : **PT1012**

Q22 A person has 4 coins each of different denomination. What is the number of different sums of money the person can form (using one or more coins at a time)?

- (a) 16
(b) 15
(c) 12

(d) 11

Key: **B****Itemcode** : **PT1013**

Q23 A and B can do a piece of work in 45 days and 40 days respectively. They began to do the work together but A leaves after some days and then B completed the remaining work in 23 days. The number of days after which A left the work was

(a) 9

(b) 11

(c) 12

(d) 15

Key: **A****Itemcode** : **PT1014**

Q24 Which of the following numbers is divisible by 3? (i) 541326 (ii) 5967013

:

(a) (ii) only

(b) (i) only

(c) (i) and (ii) both

(d) (i) and (ii) none

Key: **B****Itemcode** : **PT1015**

Q25 In a journey of 15 miles two third distance was travelled with 40 mph and remaining with 60 mph. How much time the journey takes

(a) 40 min

(b) 30 min

(c) 120 min

(d) 20 min

Key: **D****Itemcode** : **PT1016**

Q26 A papaya tree was planted 2 years ago. It increases at the rate of 20% every year. If at present, the height of the tree is 540 cm, what was it when the tree was planted?

(a) 432 cm

(b) 324 cm

(c) 375 cm

(d) 400 cm

Key: **C****Itemcode** : **PT1017**

Q27 The total of the ages of Amar, Akbar and Anthony is 80 years. What was the total of their ages three years ago ?

:

(a) 71 years

(b) 72 years

(c) 74 years

(d) 77 years

Key: **B****Itemcode** : **PT1018**

Q28 A is 3 years older to B and 3 years younger to C, while B and D are twins. How many years older is C to D?

:

(a) 2

(b) 3

(c) 6

(d) 12

Key: **C****Itemcode** : **PT1019**

Q29 Seven digits are chosen from 0,1,2,3,4,5,6,7,8, and 9 and arranged in the pattern given below. Every distinct letter represents a distinct digit. Furthermore $P \times Q \times R = S \times T \times U = Q \times V \times T$

P		S
Q	V	T
R		U

Which digit does V represent?

(a) 0

(b) 1

(c) 2

(d) 3

Key: **C****Itemcode** : **PT1020**

Q30 The probability of a twenty-year-old man living to age seventy is .74, and the probability of a twenty-year-old woman living to the same age is .82. If a recently married couple, both age twenty, give 8 to 1 odds on their staying married

for fifty years, what is the probability that at least one will live to age seventy?

- (a) .95
 (b) .90
 (c) .96
 (d) None of the above

Key: **A**

Itemcode : **PT1021**

Q31 One of Mr. Horton, his wife, their son, and Mr. Horton's mother is a doctor and another is a lawyer.

- : a) If the doctor is younger than the lawyer, then the doctor and the lawyer are not blood relatives.
 b) If the doctor is a woman, then the doctor and the lawyer are blood relatives.
 c) If the lawyer is a man, then the doctor is a man.
 Whose occupation you know?

- (a) Mr. Horton: he is the doctor
 (b) Mr. Horton's son: she is the lawyer
 (c) Mr. Horton: he is the doctor
 (d) Mr. Horton's mother: she is the doctor

Key: **A**

Itemcode : **PT1022**

Q32 An Informal Gathering occurs when a group of people get together in a casual, relaxed manner. Which situation below is the best example of an Informal Gathering?

- (a) A debating club meets on the first Sunday morning of every month.
 (b) After finding out about his salary raise, Jay and a few colleagues go out for a quick dinner after work.
 (c) Meena sends out 10 invitations for a bachelorette party she is giving for her elder sister.
 (d) Whenever she eats at a Chinese restaurant, Roop seems to run into Dibya.

Key: **B**

Itemcode : **PT1023**

Q33 The given statement is equivalent to which one of the following statements?

: 'Raju and Baiju will not both be selected.'

- (a) It is not the case that (Raju and Baiju will be selected)
 (b) (It is not the case that Raju will be selected) and (it is not the case that Baiju will be selected).
 (c) (Neither Raju nor Baiju will be selected).
 (d) (Either it is not the case that Raju will be selected) or (Baiju will be selected).

Key: **A**

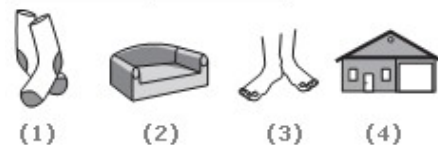
Itemcode : **PT1024**

Q34 Choose the picture that would go in the empty box so that the two bottom pictures are related in the same way as the

:



top two are related.



- (a) 1
 (b) 2
 (c) 3
 (d) 4

Key: **B**

Itemcode : **PT1025**

Q35 If every alternative letter starting from B of the English alphabet is written in small letter, rest all are written in capital letters, how the month "September" be written. (1) SeptEMbEr (2) SEpTeMBEr (3) SeptembeR (4) SepteMber (5) None of the above

- (a) (1)
 (b) (2)
 (c) (3)
 (d) (5)

Key: **D**

Itemcode : **PT1026**

Q36 If a legislature decides to fund agricultural subsidy programs, national radio, and a small business loan program, what 2 other programs can they fund?

- (a) harbor improvements and school music program
 (b) harbor improvements and international airport
 (c) hurricane preparedness and international airport
 (d) hurricane preparedness and school music program

Key: **B**

Itemcode : PT1027

Q37 Statements:

- : Only a few hills are plateaus.
All plateaus are mountains.
Only a few mountains are rivers.
Conclusions:

- (a) All plateaus are rivers.
(b) All rivers are mountains.
(c) No hills are rivers.
(d) No hills are mountains.
Key: **D**

Itemcode : PT1028

Q38 Below in each question are given two statements (A) and (B).

- : These statements may be either independent causes or may be effects of independent causes or a common cause. One of these statements may be the effect of the other statement. Read both the statements and then decide which of the following answer choices correctly depicts the relationship between these two statements.

- A. The government is considering changes in the Land Acquisition Act.
B. Several large infrastructure development projects have been stalled due to unavailability of land.

- (a) If statement A is the cause and statement B is its effect.
(b) If statement B is the cause and statement A is its effect.
(c) If both statements A & B are independent causes.
(d) If both statements A & B are effects of independent causes.
Key: **B**

Itemcode : PT1029

Q39 Identify the premise(s) from the given paragraph.

- : Democratic laws generally tend to promote the welfare of the greatest possible number[1]; for they emanate from the majority of the citizens, who are subject to error[2], but who cannot have an interest opposed to their own advantage[3]. The laws of an aristocracy tend, on the contrary, to concentrate wealth and power in the hands of the minority[4]; because an aristocracy, by its very nature, constitutes a minority[5]. It may be asserted, as general proposition, that the purpose of a democracy in its legislation is more useful to humanity than that of an aristocracy[6].
i. [1], [2], [4], [5], [6]
ii. [2], [4], [5], [6]
iii. [1], [2], [3], [4], [5]
iv. [3], [4], [5]

- (a) Only i, ii are correct
(b) Only iii is correct
(c) Only iv is correct
(d) Only ii, iii are correct
Key: **B**

Itemcode : PT1030

Q40 The given argument is:

- : Paying off terrorists in exchange for hostages is not a wise policy, since such action will only lead them to take more hostages in the future.
A. Valid Deductive.

- (a) Invalid Deductive.
(b) Inductive.
(c) None of the above
(d) ANSWER: C
Key: **C**

Itemcode : PT1031

Q41 What are required for good teaching?

- : a. Read
b. Practice
c. Explain
d. Feedback
Select the correct answer from the codes given below:

- (a) (a), (b), (c) and (d)
(b) (a) and (b)
(c) (b), (c) and (d)
(d) (c) and (d)
Key: **A**

Itemcode : PT1032

Q42 Fact 1: Islands are surrounded by water.

- : Fact 2: Hawaii is an island.
Fact 3: Hawaii was formed by a volcano.

If the first three statements are facts, which of the following statements must also be a fact?

- I: Hawaii is surrounded by water.
II: All islands are formed by volcanoes.
III: All volcanoes are on islands.

- (a) I only

- (b) II only
 (c) II and III only
 (d) None of the statements is a known fact
 Key: **A**

Itemcode : **PT1033**

Q43 Select the odd man out from the following choices:
 :

- (a) Hyderabad
 (b) Itanagar
 (c) Patna
 (d) Mysore
 Key: **D**

Itemcode : **PT1034**

Q44 A group of children of various ages read stories in which people caused harm, some of those people doing so intentionally, and some accidentally. When asked about appropriate punishments for those who had caused harm, the younger children, unlike the older ones, assigned punishments that did not vary according to whether the harm was done unintentionally or accidentally. Younger children, then, do not regard people's intention as relevant to punishment. Which of the following, if true, would most seriously weaken the conclusion above?

- (a) In interpreting these stories, the listeners had to draw on a relatively mature sense of human psychology in order to tell whether harm was done intentionally or accidentally.
 (b) In these stories, the severity of the harm done was clearly stated.
 (c) Younger children are as likely to cause harm unintentionally as are older children
 (d) The older children assigned punishment in a way that closely resembled the way adults had assigned punishment in a similar experiment.
 Key: **A**

Itemcode : **PT1035**

Q45 Directions for question : The question has a set of five sequentially ordered statements. Each statement can be classified as one of the following:

-Facts, which deal with pieces of information that one has heard, seen or read, and which are open to discovery or verification (the answer option indicates such a statement with an "F").

-Inferences, which are conclusions drawn about the unknown, on the basis of the known (the answer option indicates such a statement with an "I").

- Judgments, which are opinions that imply approval or disapproval of persons, objects, situations and occurrences in the past, the present or the future (the answer option indicates such a statement with a "J").

Select the answer option that best describes the set of statements.

- i. The renewed corporate interest in power is welcome, given the huge investment in backlog in the vexed sector and the routine revenue leakages.
- ii. Reportedly, industrial houses like Reliance Industries and the Aditya Birla Group are keen to foray into power equipment manufacture.
- iii. In tandem, we need proactive policy to wipe out continuing losses of state power utilities, and regular disclosure of SEBI finances.
- iv. Of late, the tendency has been to clamp up on the huge annual losses of power utilities - the latest Economic Survey like the previous one is mum on losses, subsidies and plan theft of power, instead we have some pious intentions to gather "baseline data" and use information technology application for accounting and auditing power distribution.
- v. We do need to step up IT for meter reading, billing and collections, of course, but in parallel, what is essential indeed vital, is improved governance in power delivery and follow through.

- (a) JFIFJ
 (b) IJFJJ
 (c) FJJIF
 (d) JFJIJ
 Key: **D**

Itemcode : **PT1036**

Q46 Four sentences are given below . Of these, three statements need to be arranged in a logical order to form a coherent paragraph/passage. From the given options, choose the one that does not fit the sequence.

- (a) More than 130,000 deaths would be avoided over a 20-year period if Britain's 50- to 64-year-olds took a daily aspirin for 10 years, because the beneficial effects continue even when the aspirin is stopped, the authors say.
 (b) He said that people considering embarking on a fitness regime should talk to their GP and it might be possible to get tested first.
 (c) An aspirin a day could dramatically cut people's chances of getting and dying from common cancers, according to the most detailed review yet of the cheap drug's ability to stem disease.
 (d) A research team led by Professor Jack Cuzick, head of the centre for cancer prevention at Queen Mary University of London, concluded that people between 50 and 65 should consider regularly taking the 75mg low-dosage tablets.
 Key: **B**

Itemcode : **PT1049**

Q47 Question below are based on the following passage:

: The fewer restrictions there are on the advertising of legal services the more lawyers there are who advertise their services, and the lawyers who advertise a specific service usually charge less for that service than lawyers who do not advertise. Therefore, if the state removes any of its current restrictions, such as the one against advertisements that do not specify fee arrangements, overall consumer legal costs will be lower than if the state retains its current restrictions.

If the statements above are true, which of the following must be true?

- (a) Some lawyers who now advertise will charge more for specific services if they do not have specified fee arrangements in the advertisements.
- (b) More consumers will use legal services if there are fewer restrictions on the advertising of legal services.
- (c) If the restriction against advertisements that do not specify fee arrangements is removed, more lawyers will advertise their services.
- (d) If more lawyers advertise lower prices for specific services, some lawyers who do not advertise will also charge less than they currently charge for those services.

Key: **C**

Itemcode : **PT1050**

Q48 Questions below are based on the following passage:

- : The fewer restrictions there are on the advertising of legal services the more lawyers there are who advertise their services, and the lawyers who advertise a specific service usually charge less for that service than lawyers who do not advertise. Therefore, if the state removes any of its current restrictions, such as the one against advertisements that do not specify fee arrangements, overall consumer legal costs will be lower than if the state retains its current restrictions. Which of the following, if true, would most seriously weaken the argument concerning overall consumer legal costs?

- (a) The state has recently removed some other restrictions that had limited the advertising of legal services.
- (b) The state is unlikely to remove all of the restrictions that apply solely to the advertising of legal services.
- (c) Lawyers who do not advertise generally provide legal services of the same quality as those provided by lawyers who do advertise.
- (d) Most lawyers who advertise specific services do not lower their fees for those services when they begin to advertise.

Key: **D**

Passage:

Below Questions are based on the following information:

Mazzini, an Italian specialty restaurant stays open every Monday to Saturday but is closed on all Sundays. On Mondays, only lunch is served, as well as on Tuesdays and Thursdays. On Wednesdays, Fridays and Saturdays, just dinner is served. The restaurant's floors are polished and plants are watered only on days that Quantum is open for business, according to the following schedule:

Plants are watered two days each week, but never on consecutive days and never on the same day that floors are polished.

Floors are polished on Monday and two other days each week, but never on consecutive days and never on the same day that plants are watered.

Itemcode : **PT1037**

Q49 According to a schedule, the restaurant's floors are polished on either.....

:

- (a) Tuesday or Wednesday
 (b) Tuesday or Thursday
 (c) Wednesday or Thursday
 (d) Thursday or Friday

Key: **C**

Itemcode : **PT1038**

Q50 If dinner is served on the same day as plants are watered, which of the following is correct?

:

- (a) Plants are watered on Tuesday.
 (b) Floors are polished on Thursday.
 (c) Plants are watered on Wednesday.
 (d) Floors are polished on Wednesday.

Key: **B**

Itemcode : **PT1039**

Q51 Assume that floors are polished on consecutive days but all other scheduling policies are untampered. For how many of the days can it be determined whether plants are watered and floors are polished?

:

- (a) two
 (b) three
 (c) six
 (d) five

Key: **C**

Passage:

Study the following information to answer the given questions

P&Q means P is neither greater than nor equal to Q

P%Q means P is neither smaller than nor greater than Q

P*Q means P is not greater Q

P\$Q means P is greater than Q

P@Q means P is either greater than or equal to Q

Itemcode : **PT1040**

Q52 Statement:U \$ Y @ W * K; W % X @ Z

:
 Conclusion:
 I.U \$ K
 II.Z * K

- (a) Only I is true
 (b) Only II is true
 (c) Either I or II true
 (d) Neither I nor II is true
 Key: **B**

Itemcode : **PT1041**

Q53 Statement: L * K & J @ U; J *T*R

:
 Conclusion
 I.T \$ L
 II. U * R

- (a) Only I is true
 (b) Only II is true
 (c) Either I or II true
 (d) Both I and II are true
 Key: **D**

Itemcode : **PT1042**

Q54 Statement: P @ Q @ W % S @ L; Y * S

:
 Conclusion:
 I.Y \$ P
 II. Y % P

- (a) Only I is true
 (b) Only II is true
 (c) Either I or II true
 (d) Neither I nor II is true
 Key: **C**

Itemcode : **PT1043**

Q55 Statement: G @ H \$ J *K; H \$ M; J \$ U

:
 Conclusion:
 I. M & K
 II. K \$ U

- (a) Only I is true
 (b) Only II is true
 (c) Either I or II true
 (d) Neither I nor II is true
 Key: **B**

Passage:

Questions below are based on the following.

There are seven friends P1, P2, P3, P4, P5, P6 and P7 in a seven-floor building. The ground floor is no. 1, the floor above it is no.2 and so on. P5 does not live on an even numbered floor. P7 does not live on the top most floor. Only one person lives between P5 and P7. P1 does not live on even numbered floor and does not live below P6. P4 does not live immediately above or immediately below P7. There are two floors between P4 and P5. Both P2 and P3 live on even-numbered floor. There are two floors between P7 and P3. P6 lives on floor number 5.

Itemcode : **PT1044**

Q56 In the given options find the person who lives in 3rd floor?

- :
 (a) P3
 (b) P2
 (c) P5
 (d) None of the above
 Key: **C**

Itemcode : **PT1045**

Q57 Who is the immediate neighbour of P7?

- :
 (a) P2
 (b) P3
 (c) P5
 (d) None of the above
 Key: **A**

Itemcode : **PT1046**

Q58 How many persons live between P5 and P7?

- :
 (a) 1
 (b) 2

(c) 3
(d) None of the above
Key: **A**

Itemcode : **PT1047**

Q59 How many floors are between P1 and P6?
:

(a) 0
(b) 1
(c) 2
(d) None of the above
Key: **B**

Itemcode : **PT1048**

Q60 On which floor P4 lives?
:

(a) 7
(b) 6
(c) 5
(d) None of the above
Key: **B**



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21 November 2020

[Menu](#)

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Subjects ▾
Display ▾

Junior Scale Officer(Prescreening Test)

Passage:

Answer the following based on the passage given below:

We are men of science and we realize that the whole structure of society rests on habit. With the new organization must therefore grow the new habit that is to support it. To precipitate organic change is merely to court reaction. That is the lesson of all revolutions; and it is one which English socialists, at any rate, have learnt. We think, moreover, that capitalist society is, by its own momentum, travelling towards the goal which we desire.

Itemcode : **PT1111**

Q1 : From the tone and tenor of the above passage, the speaker appears to be

- (a) a non-capitalist
- (b) a man of science
- (c) an English socialist
- (d) a sociologist

Key: **C**

Itemcode : **PT1112**

Q2 : It can be surmised from the passage that the phrase "the goal that we desire" implies

- (a) disintegration
- (b) precipitation
- (c) culmination
- (d) defeat

Key: **A**

Itemcode : **PT1113**

Q3 : "To precipitate organic change is merely to court reaction". This statement implies that

- (a) Compulsory change leads to chemical response
- (b) Forcefully altering things will causes chemical response
- (c) Hastening change calls for a sharp political response
- (d) Sudden social change only draws an undesirable response

Key: **D**

Itemcode : **PT1114**

Q4 : Identify form the options given below, the one which is opposite in meaning to "momentum"

- (a) energy
- (b) lethargy
- (c) impetus
- (d) stimulus

Key: **B**

Itemcode : **PT1115**

Q5 : From the options provided below, identify the meaning of the term "revolution" that is unsuited to the passage above

- (a) revolt
- (b) rebellion
- (c) rotation
- (d) uprising

Key: **C**

Passage:

Answer the following questions based on the passage given below:

Scientists in many parts of the world are now trying to reclaim desert lands. In Iraq, with its two great rivers, everyone thinks straightaway of irrigation. Actually, irrigation is not a very important means of reclaiming desert lands. In the first place, only a small part of world's desert land is near enough to large rivers for men to be able to use them, and in the second place, irrigation itself can be dangerous for the land, where a hot sun evaporates great quantities of water every day. In fact, irrigation may change fertile land to barren land, and indeed is doing so all the time. The reason for this is simple. All river water is slightly salty (all the sea's salt has been carried into it by the rivers). If we spread river water over the land, and allow it to evaporate, we spread salt over the land too. If we go on doing this, the land becomes so saline that it produces nothing but palm trees -and eventually not even palm trees grow there; the land has become desert.

Itemcode : **PT1116**

Q6 : Choose a word from the following options which is synonymous to the notion of desert.

- (a) fecund
- (b) arid
- (c) fertile
- (d) productive

Key: **B**

Itemcode : **PT1117**

Q7 : In Iraq everyone thinks of using irrigation to reclaim desert land because

- (a) irrigation is not a major means of reclaiming desert
- (b) they want to grow a lot of palm trees
- (c) Iraq has two great rivers
- (d) very small part of Iraq is desert

Key: **C**

Itemcode : **PT1118**

Q8 : A piece of land has become desert:

- (a) when it produces palm trees
- (b) when even palm trees don't grow there
- (c) if we don't spread water over its surface
- (d) due to the saline water of the sea

Key: **D**

Itemcode : **PT1119**

Q9 : Irrigation may change fertile land into barren land because

- (a) irrigation is dangerous to the land
- (b) the world's desert areas are near rivers
- (c) river water is slightly salty
- (d) ultimately sea water gets to the land

Key: **D**

Itemcode : **PT1120**

Q10 From the options given below, identify the process which represents "getting back from wastage or unused substances".

- (a) reclamation
- (b) evaporation
- (c) irrigation
- (d) salination

Key: **A**

Itemcode : **PT1061**

Q11 Paw : Cat :: Hoof : ?

:

- (a) Lamb
- (b) Horse
- (c) Elephant
- (d) Tiger

Key: **B**

Itemcode : **PT1062**

Q12 986 : 53 :: 725 : ?

:

- (a) 25
- (b) 39
- (c) 34
- (d) 35

Key: **C**

Itemcode : **PT1063**

Q13 In a code language, ALIVE is written as BMIUD. In the same language VALUE is written as

:

- (a) WAMTD
- (b) WAMSD
- (c) WBMTD
- (d) WBLTD

Key: **D**

Itemcode : **PT1064**

Q14 If FRIEND is coded as HUMJTK, how is CANDLE written in that code ?

:

- (a) EDRIRL
- (b) DCQHQB
- (c) DEQJQM

(d) FYBOC

Key: **A****Itemcode : PT1065****Q15** The sum of 5 successive odd numbers is 1115. What is the largest of these numbers?

:

- (a) 215
- (b) 223
- (c) 219
- (d) 217

Key: **C****Itemcode : PT1066****Q16** Find the Odd one out

: 7, 8, 18, 57, 228, 1165, 6996

- (a) 8
- (b) 18
- (c) 57
- (d) 228

Key: **D****Itemcode : PT1067****Q17** 8 15 24 35 48 63 _?

:

- (a) 70
- (b) 80
- (c) 75
- (d) 88

Key: **B****Itemcode : PT1068****Q18** Look at this series: 80, 10, 70, 15, 60, __ What number should come next?

:

- (a) 20
- (b) 25
- (c) 30
- (d) 50

Key: **A****Itemcode : PT1069****Q19** What should come in place of the question mark '?' in the following number series? 2916, 972, ?, 108, 36, 12

:

- (a) 324
- (b) 234
- (c) 248
- (d) 391

Key: **A****Itemcode : PT1070****Q20** 10, 67, 341, 1369, ?

:

- (a) 7311
- (b) 5665
- (c) 4111
- (d) None of the above

Key: **C****Itemcode : PT1071****Q21** A boat travels 20 kms upstream in 6 hrs and 18 kms downstream in 4 hrs. Find the speed of the boat in still water and the speed of the water current?

- (a) 1/2 kmph
- (b) 7/12 kmph
- (c) 5 kmph
- (d) none of these

Key: **B****Itemcode : PT1072****Q22** The simple interest on a certain sum of money for 3 years is 225 and the compound interest on the same sum at the same rate for 2 years is 153 then the principal invested is

- (a) 1500
- (b) 2250
- (c) 3000
- (d) 1875

Key: **D****Itemcode : PT1073**

Q23 Sam and Mala have a conversation. Sam says I am certainly not over 40 Mala Says I am 38 and you are at least 5 years older than me . Now Sam says you are at least 39 all the statements by the two are false. How old are they really?

- (a) Mala = 38 yrs, Sam =31 yrs.
- (b) Mala = 38 yrs, Sam = 41 yrs
- (c) Mala = 31 yrs, Sam = 41 yrs.
- (d) Mala = 45yrs, Sam = 41 yrs

Key: **B**

Itemcode : **PT1074**

Q24 A square is divided into 9 identical smaller squares. Six identical balls are to be placed in these smaller squares such that each of the three rows gets at least one ball (one ball in one square only). In how many different ways can this be done?

- (a) 81
- (b) 91
- (c) 41
- (d) 51

Key: **A**

Itemcode : **PT1075**

Q25 Solid cube of $6 * 6 * 6$. This cube is cut into to 216 small cubes. ($1 * 1 * 1$).the big cube is painted in all its faces. Then how many of cubes are painted at least 2 sides.

- (a) 56
- (b) 45
- (c) 23
- (d) 28

Key: **A**

Itemcode : **PT1076**

Q26 A boy has Rs 2. He wins or loses Re 1 at a time If he wins he gets Re 1 and if he loses the game he loses Re 1. He can loose only 5 times. He is out of the game if he earns Rs 5. Find the number of ways in which this is possible?

- (a) 14
- (b) 23
- (c) 16
- (d) 12

Key: **C**

Itemcode : **PT1077**

Q27 Two bus tickets from city A to B and three tickets from city A to C cost Rs. 77 but three tickets from city A to B and two tickets from city A to C cost Rs. 73. What are the fares for cities B and C from A ?

- (a) Rs. 4, Rs. 23
- (b) Rs. 13, Rs. 17
- (c) Rs. 15, Rs. 14
- (d) Rs. 17, Rs. 13

Key: **B**

Itemcode : **PT1078**

Q28 The 30 members of a club decided to play a badminton singles tournament. Every time a member loses a game he is out of the tournament. There are no ties. What is the minimum number of matches that must be played to determine the winner ?

- (a) 15
- (b) 29
- (c) 61
- (d) None of these

Key: **B**

Itemcode : **PT1079**

Q29 Amar and Bhasker can complete a job in 2 hours. Bhasker and Chintan can complete the job in 3 hours. Amar and Chintan can complete the job in 4 hours. How long does it take if Amar, Bhasker, and Chintan work together on the job?

- (a) $9/2$ hours
- (b) $5/2$ hours
- (c) $3/2$ hours
- (d) $24/13$ hours

Key: **D**

Itemcode : **PT1080**

Q30 The height of a slippery pole is 10 m and an insect is trying to climb the pole. The insect climbs 5 m in one minute and then slips down by 4 m. In how much time will the insect reach the top?

- (a) 9 minutes
- (b) 10 minutes
- (c) 6 minutes
- (d) None of the above

Key: **C**

Itemcode : **PT1081**

Q31 Nanda, Varuna, and Kesar are all members of a very respectable family. Among these three are Nanda's father,

: Varuna's only daughter, and Kesar's sibling. Kesar's sibling is not Varuna's daughter or Nanda's father. Which one is a different gender from the other two?

- (a) Nanda
 (b) Varuna
 (c) Kesar
 (d) Multiple arrangements possible
 Key: **C**

Itemcode : **PT1082**

Q32 A Tiebreaker is an additional contest carried out to establish a winner among tied contestants. Choose one situation from the options below that best represents a Tiebreaker.

- (a) At halftime, the score is tied at 2-2 in a football match.
 (b) Serena and Maria have each secured 1 set in the game.
 (c) The umpire tosses a coin to decide which team will have bat first.
 (d) The Sharks and the Bears each finished with 14 points, and they are now battling it out in a five-minute overtime.
 Key: **D**

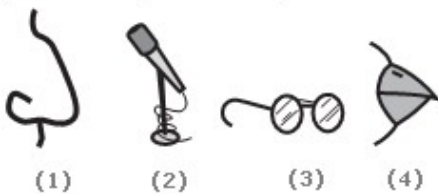
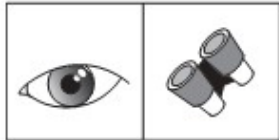
Itemcode : **PT1083**

Q33 The given statement is represented by which of the following statement?
 : A few heroes are not recognized.

- (a) Some heroes are recognized persons, and some heroes are not recognized persons.
 (b) Some heroes are not recognized persons.
 (c) Some heroes are recognized persons.
 (d) Some recognized persons are not heroes
 Key: **B**

Itemcode : **PT1084**

Q34 Choose the picture that would go in the empty box so that the two bottom pictures are related in the same way as the top two are related.



- (a) 1
 (b) 2
 (c) 3
 (d) 4
 Key: **B**

Itemcode : **PT1085**

Q35 There are 3 triplet brothers. They look identical. The oldest is John, he always tells the truth. The second is Jack, he always tells a lie. The third is Joe, he either tells the truth or a lie. Jimmie Dean went to visit them one day. He was wondering who was who. So he asked each person a question. He asked the one who was sitting on the left: "Who is the guy sitting in the middle?". The answer was "He is John." He asked the one who was sitting in the middle: "What is your name?". The answer was "I am Joe." He asked the one who was sitting on the right: "What is the guy sitting in the middle?". The answer was "He is Jack." Jimmie Dean got really confused. Basically, he asked 3 same questions, but he got 3 different answers. which is not true?

- (a) left most is joe
 (b) middle is jack
 (c) right is john
 (d) middle is john
 Key: **D**

Itemcode : **PT1086**

Q36 Kevin, Joseph, and Nicholas are 3 brothers. If the following statements are all true, which of them is the youngest?

: Kevin is the oldest.
 Nicholas is not the oldest.
 Joseph is not the youngest.

- (a) Joseph
 (b) Kevin
 (c) Nicholas
 (d) Both Joseph and Nicholas
 Key: **A**

Itemcode : **PT1087**

Q37 Statements:
: a. All knives are daggers.
b. Only a few knives are swords.
Conclusions:

- (a) All swords are daggers.
(b) All daggers are swords.
(c) All swords are knives.
(d) Some swords are not daggers

Key: **B**

Itemcode : **PT1088**

Q38 Statements: In a one day cricket match, the total runs made by a team were 200. Out of these 160 runs were made by spinners.
: spinners.
Conclusions:
I. 80% of the team consists of spinners.
II. The opening batsmen were spinners.

- (a) Only conclusion I follows
(b) Only conclusion II follows
(c) Either I or II follows
(d) Neither I nor II follows

Key: **D**

Itemcode : **PT1089**

Q39 What can be inferred from the given statement- 'Some candidates who appeared for the examinations are males', if it false?
: false?
i. All candidates who appeared for the examinations are males - is false.
ii. Some candidates who appeared for the examinations are females - is true.
iii. Some candidates who appeared for the examinations are not males - is true.
iv. No candidates who appeared for the examinations are males - is true

- (a) Only i and iv can be inferred.
(b) Only i, ii, iv can be inferred.
(c) Only ii and iv can be inferred.
(d) Only i, iii and iv can be inferred

Key: **D**

Itemcode : **PT1090**

Q40 Nikhil gets Rs.250 from his parents every week for his expenses. He puts Rs.5 in his piggy bank on everyday except Sunday when he puts Rs.10 in the piggy bank. He eats subsidized lunch in the college canteen for Rs. 10 on all college days except Saturday when he treats himself to the special lunch for Rs.25. Bus fare to college is Rs.4 each way. He has got a holiday on Sunday. This week, Nikhil wants to buy a book which costs Rs.100. For this, he was walking to and from the college. He is left with Rs.3 after buying the book. Assuming no other expenses, how many times did Nikhil walk this week?

- (a) 2
(b) 3
(c) 4
(d) 5

Key: **C**

Itemcode : **PT1091**

Q41 Statement: Should vacations of school teachers need to be reduced?
: Arguments:
I. Yes, it will boost up educational process and many people are likely to get quality education in reasonable time.
II. Yes, it is a sign of British legacy, why should we carry it further?

- (a) If only argument I is strong correct
(b) If only argument II is strong
(c) If either I or II is strong
(d) If neither I nor II is strong

Key: **A**

Itemcode : **PT1092**

Q42 Fact 1: Pragathi said, "Priyanka and I both have dogs."
: Fact 2: Priyanka said, "I don't have a dog."
Fact 3: Pragathi always tells the truth, but Priyanka sometimes lies.

If the first three statements are facts, which of the following statements must also be a fact?

- I. Priyanka has a dog.
II. Pragathi has a dog.
III. Priyanka is lying.

- (a) II only
(b) I and II only
(c) I, II, and III
(d) None of the statements is a known fact.

Key: **C**

Itemcode : **PT1093**

Q43 Each question has a given word followed by four choices. Choose the word which is essential part/necessary part of word.

Infirmery

- (a) patient
 - (b) disease
 - (c) doctor
 - (d) nurse
- Key: **A**

Itemcode : **PT1094**

Q44 Many people argue that tobacco advertising plays a crucial role in causing teen-agers to start or continue smoking. In Norway, however, where there has been a ban on tobacco advertising since 1975, smoking is at least as prevalent among teen-agers as it is in countries that do not ban such advertising. Which of the following statements draws the most reliable conclusion from the information above?

- (a) Tobacco advertising cannot be the only factor that affects the prevalence of smoking among teen-agers.
 - (b) Advertising does not play a role in causing teen-agers to start or continue smoking.
 - (c) Banning tobacco advertising does not reduce the consumption of tobacco.
 - (d) More teen-agers smoke if they are not exposed to tobacco advertising than if they are
- Key: **A**

Itemcode : **PT1095**

Q45 Directions for question : Answer the question on the basis of the information given below:

Five students - P,Q,R,S and T - take an assessment test. The test had three sections, namely Quantitative, Verbal and Reasoning, and the cut-off scores for the three sections were 10,15, and 12 respectively, with the maximum possible score in each section being 50. While evaluating the papers, it was found that in each section,

- i. The score obtained by each student is a distinct integer and the person with the highest score gets rank 1, the one with 2nd highest score gets rank 2 and so on.
- ii. The difference between the highest score and lowest score is four.
- iii. The lowest score in the section is twice the cut-off score in that section.

Further, for any student

- a. The rank obtained in any two sections is not the same.
- b. The total score is the sum of the scores obtained in all three sections.

If it was known that the total score of "Q" is more than that of any other student which of the following can be his maximum possible total score?

- (a) 80
- (b) 82
- (c) 83
- (d) None of these.

Key: **C**

Itemcode : **PT1096**

Q46 Four sentences are given below. Of these, three statements need to be arranged in a logical order to form a coherent paragraph/passage. From the given options, choose the one that does not fit the sequence.

- (a) It is thought that the pressure is so great that calcium can't exist except in solution, so the bones of vertebrates would literally dissolve.
- (b) In recent years, deep-ocean dredges and unmanned subs have glimpsed exotic organisms such as shrimp-like amphipods, and strange, translucent animals called holothurians.
- (c) No bones, no fish.
- (d) In fact, some question whether Piccard's fish was actually a form of sea cucumber.

Key: **B**

Itemcode : **PT1109**

Q47 Question below is based on the following:

The program to control the entry of illegal drugs into the country was a failure in 1987. If the program had been successful, the wholesale price of most illegal drugs would not have dropped substantially in 1987.

The argument in the passage depends on which of the following assumptions?

- (a) The supply of illegal drugs dropped substantially in 1987.
- (b) The price paid for most illegal drugs by the average consumer did not drop substantially in 1987.
- (c) Domestic production of illegal drugs increased at a higher rate than did the entry of such drugs into the country.
- (d) A drop in demand for most illegal drugs in 1987 was not the sole cause of the drop in their wholesale price.

Key: **D**

Itemcode : **PT1110**

Q48 Question below are based on the following:

The program to control the entry of illegal drugs into the country was a failure in 1987. If the program had been successful, the wholesale price of most illegal drugs would not have dropped substantially in 1987.

The argument in the passage would be most seriously weakened if it were true that

- (a) In 1987, smugglers of illegal drugs, as a group, had significantly more funds at their disposal than did the country's customs agents.
- (b) Domestic production of illegal drugs increased substantially in 1987.
- (c) The author's statements were made in order to embarrass the officials responsible for the drug-control program.
- (d) In 1987 illegal drugs entered the country by a different set of routes than they did in 1986

Key: **B**

Passage:

Question below are data sufficiency problems. Each consists of a question and two statements, labelled (I) and (II) in which certain data are given. You have to decide whether the data given in the statements are sufficient for answering the question. Mark answer:

Itemcode : **PT1097**

Q49 What is the value of $a+b/a-c$?

:

(I) $a-c = 6$

(II) $b + c = 3$

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
 (b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
 (c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
 (d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Key: **C**

Itemcode : **PT1098**

Q50 How much more social security tax did Ms. Evans pay in 1975 than in 1974?

:

(I) Ms. Evans earned a total of \$ 32,000 in salary for the two-year period.

(II) Ms. Evans paid 5.86 percent tax on the first \$ 15,300 earned in any one year

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
 (b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
 (c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
 (d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Key: **D**

Itemcode : **PT1099**

Q51 Is the sum of x and y positive?

:

(I) x^2 is positive

(II) xy is positive

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
 (b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
 (c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
 (d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Key: **D**

Passage:

The passage given below is followed by a set of four logical questions. Choose the most appropriate answer to each question.

The intimate connection between the brain, as it is now developed in us, and the faculty of speech, is well shown by those curious cases of brain-disease in which speech is specially affected, as when the power to remember substantives is lost, whilst other words can be correctly used, or where substantives of a certain class, or all except the initial letters of substantives and proper names are forgotten. There is no more improbability in the continued use of the mental and vocal organs leading to inherited changes in their structure and functions, than in the case of hand-writing, which depends partly on the form of the hand and partly on the disposition of the mind; and handwriting is certainly inherited. Several writers, more especially Prof. Max Muller, have lately insisted that the use of language implies the power of forming general concepts; and that as no animals are supposed to possess this power, an impassable barrier is formed between them and man. The judgment of a distinguished philologist, such as Prof. Whitney, will have far more weight on this point than anything that I can say. He remarks, in speaking of Bleek's views: "Because on the grand scale language is the necessary auxiliary of thought, indispensable to the development of the power of thinking, to the distinctness and variety and complexity of cognitions to the full mastery of consciousness; therefore, he would fain make thought absolutely impossible without speech, identifying the faculty with its instrument. He might just as reasonably assert that the human hand cannot act without a tool. With such a doctrine to start from, he cannot stop short of Max Muller's worst paradoxes, that an infant is not a human being, and that deaf-mutes do not become possessed of reason until they learn to twist their fingers into imitation of spoken words. Max Muller gives in italics this aphorism: "There is no thought without words, as little as there are words without thought." What a strange definition must here be given to the word thought! With respect to animals, I have already endeavoured to show that they have this power, at least in a rude and incipient degree. As far as it concerns infants from ten to eleven months old, and deaf-mutes, it seems to me incredible, that they should be able to connect certain sounds with certain general ideas as quickly as they do, unless such ideas were already formed in their minds. The same remark may be extended to the more intelligent animals; as Mr. Leslie Stephen observes, "A dog frames a general concept of cats or sheep, and knows the corresponding words as well as a philosopher. And the capacity to understand is as good a proof of vocal intelligence, though in an inferior degree, as the capacity to speak."

Why the organs now used for speech should have been originally perfected for this purpose, rather than any other organs, it is not difficult to see. Ants have considerable powers of intercommunication by means of their antennae, as shown by Huber, who devotes a whole chapter to their language. We might have used our fingers as efficient instruments, for a person with practice can report to a deaf man every word of a speech rapidly delivered at a public meeting; but the loss of our hands, whilst thus employed, would have been a serious inconvenience. As all the higher mammals possess vocal organs, constructed on the same general plan as ours, and used as a means of communication, it was obviously probable that these same organs would be still further developed if the power of communication had to be improved; and this has been affected by the aid of adjoining and well adapted parts, namely the tongue and lips. The fact of the higher apes not using their vocal organs for speech, no doubt depends on their intelligence not having been sufficiently advanced. The possession by them of organs,

which with long-continued practice might have been used for speech, although not thus used, is paralleled by the case of many birds, which possess organs fitted for singing, though they never sing. Thus, the nightingale and crow have vocal organs similarly constructed, these being used by the former for diversified song, and by the latter only for croaking. An excellent observer, Mr. Blackwall, remarks that the magpie learns to pronounce single words, and even short sentences, more readily than almost any other British bird; yet, as he adds, after long and closely investigating its habits, he has never known it, in a state of nature, display any unusual capacity for imitation. If it be asked why apes have not had their intellects developed to the same degree as that of man, general causes only can be assigned in answer, and it is unreasonable to expect anything more definite, considering our ignorance with respect to the successive stages of development through which each creature has passed.

Itemcode : PT1105

Q52 According to the passage, the curious cases of brain disease illustrate which of the following?

:

- (a) That the power to remember substantives is lost as is the faculty of speech.
- (b) That elemental correlation exists within the brain and speech organs.
- (c) That improbability lies in the continued use of the mental and vocal organs.
- (d) That inherited changes occur in structure and functions of the organs.

Key: **B**

Itemcode : PT1106

Q53 According to the passage, the 'judgement' on language implies all except which of the following?

:

- (a) The use of language implies the power of forming general concepts.
- (b) The use of language forms an impassable barrier between man and animal.
- (c) The use of language is an auxiliary of thought and is essential to the development of cognition.
- (d) The use of language is indispensable to the development of thought.

Key: **C**

Itemcode : PT1107

Q54 According to the passage, the statement "There is no thought without words, as little as there are words without thought", illustrates which one of the following?

:

- (a) Professor Max Mueller's paradox.
- (b) Professor Whitney's judgement.
- (c) Bleek's views.
- (d) Mr. Leslie Stephen's observation.

Key: **A**

Itemcode : PT1108

Q55 The next paragraph of the passage is likely to deal with which of the following?

:

- (a) That of all the differences between man and the lower animals, the vocal faculty is by far the most important.
- (b) As per the general theory of evolution, it is extremely improbable that apes could not catch up with man.
- (c) The mental faculties in man had become highly developed superseding all.
- (d) That feeling of dissatisfaction, or even misery, which invariably results from any unsatisfied instinct, would arise in other animals.

Key: **A**

Passage:

Questions below are based on the following information/data:

A, B, C, D, E, F, G and H are sitting around circle and are facing the centre.

i. A is second to the right of E who is neighbour of C and G

ii. D is not neighbour of A

iii. G is neighbour of F

iv. D is between H and F

Itemcode : PT1100

Q56 Find the odd one out:

:

- (a) AE
- (b) CG
- (c) BG
- (d) None of the above

Key: **C**

Itemcode : PT1101

Q57 Find the odd one out:

:

- (a) HBG
- (b) HBA
- (c) ACE
- (d) None of the above

Key: **A**

Itemcode : **PT1102**

Q58 The minimum number of people between B and E are?
:

- (a) 0
 - (b) 4
 - (c) 3
 - (d) None of the above
- Key: **D**

Itemcode : **PT1103**

Q59 Find the person who sits 2nd left of F:
:

- (a) D
 - (b) H
 - (c) G
 - (d) E
- Key: **B**

Itemcode : **PT1104**

Q60 Find the person who sits immediate right of D:
:

- (a) H
 - (b) G
 - (c) E
 - (d) None of the above
- Key: **D**



CBRT - 2020 Question Paper Grid

Government of Goa

21 November 2020

[Menu](#)

Set Name

Subjects

Display

Junior Scale Officer(Prescreening Test)

Passage:

Answer the following question based on passage given below:

From the subjective standpoint we may see that certain acts have a tendency to exalt and ennoble us, while certain other acts have a tendency to degrade or brutalize us. But it is not possible to make out with certainty which acts have which kind of tendency in relation to all persons, of all sorts and conditions. There is, however, only one idea of duty which has been universally accepted by all mankind, of all ages and sects and countries, and that has been summed up in a Sanskrit aphorism thus; "do not injure any being; not injuring any being is virtue, injuring any being is sin."

Itemcode : **PT1171**

Q1 : As a brief phrase that expresses its meaning in a clever way, aphorism is closer to the following term than the rest of the options

- (a) euphemism
- (b) epigram
- (c) epistle
- (d) episode

Key: **B**

Itemcode : **PT1172**

Q2 : In the context of this passage, the phrase "not possible to make out with certainty" implies

- (a) manage to hear with hardship
- (b) guess wildly
- (c) see with some difficulty
- (d) assert emphatically

Key: **D**

Itemcode : **PT1173**

Q3 : As per this passage, a Sanskrit aphorism has summed up the notion of

- (a) injury
- (b) human tendency
- (c) duty
- (d) virtue

Key: **C**

Itemcode : **PT1174**

Q4 : Identify a term from the passage which means "to praise somebody or raise to a higher position or rank"

- (a) exalt
- (b) degrade
- (c) ennoble
- (d) virtue

Key: **A**

Itemcode : **PT1175**

Q5 : Choose form the following option, the word that is the opposite in meaning to universally

- (a) ubiquitously
- (b) locally
- (c) globally
- (d) worldwide

Key: **B**

Passage:

Answer the following questions based passage given

Every consolidation of business upon a grand scale implies the development of precisely those talents of organization without which the socialistic state could not come into being or maintain itself, while at the same time the substitution of monopoly for competition removes the only check upon the power of capital to exploit society, and brings home to every citizen in his tenderest point-his pocket-the necessity for that public control from which he might otherwise be inclined to shrink. Capitalist society is thus preparing its own euthanasia; and we socialists ought to be regarded not as assassins of the old order, but as midwives to deliver it of the child with which it is in travail.

Itemcode : **PT1176**

Q6 : As per this passage, the only check upon "the power of the capital to exploit society" is

- (a) monopoly
- (b) public control
- (c) competition
- (d) the citizen's pocket

Key: **C**

Itemcode : **PT1177**

Q7 : The passage implies that a citizen may shrink from the need to exercise public control when

- (a) competition is removed
- (b) monopoly is implemented
- (c) his financial condition is secure
- (d) his pocket is endangered

Key: **C**

Itemcode : **PT1178**

Q8 : The term "scale" as used in the above passage implies

- (a) the measuring marks or equipment
- (b) the size or proportion of something
- (c) hard flat flakes on some living beings
- (d) series of musical notes

Key: **B**

Itemcode : **PT1179**

Q9 : "Capitalist society is thus preparing its own euthanasia." This statement contains the following figure of speech

- (a) euphemism; personification; metaphor
- (b) metaphor; alliteration; personification
- (c) simile, transferred epithet; personification
- (d) transferred epithet; simile; alliteration

Key: **A**

Itemcode : **PT1180**

Q10 Read the following statements carefully and say whether they are true or false.

- : (i) The large-scale consolidation of business throws up the very capacities needed to create and sustain the socialistic state.
- (ii) This process if based on monopoly can lead to the disintegration of the capitalist order.

- (a) Statement (i) is true; but statement (ii) is false
- (b) Statement (i) is false; but statement (ii) is true
- (c) both the statements are false
- (d) both the statements are true

Key: **D**

Itemcode : **PT1121**

Q11 Safe : Secure :: Protect : ?

:

- (a) Lock
- (b) Guard
- (c) Sure
- (d) Conserve

Key: **B**

Itemcode : **PT1122**

Q12 Air : Ubiquitous :: Fire : ?

:

- (a) Explosion
- (b) Oxygen
- (c) Water
- (d) Luminosity

Key: **D**

Itemcode : **PT1123**

Q13 In a code language, ALONE is written as BNRLD. In the same language LOANS is written as

:

- (a) MRCLR
- (b) MRCMR
- (c) MQDLR
- (d) MRDMR

Key: **C**

Itemcode : **PT1124**

Q14 If in a certain language, COUNSEL is coded as BITIRAK, how is GUIDANCE written in that code ?

:

- (a) EOHYZJBB
- (b) FOIYZJBB
- (c) FOHYZJBB

(d) None of above

Key: **C**

Itemcode : **PT1125**

Q15 Which word does NOT belong with the others?

:

- (a) index
- (b) glossary
- (c) chapter
- (d) book

Key: **D**

Itemcode : **PT1126**

Q16 10, 5, 13, 10, 16, 20, 19, (...)

:

- (a) 22
- (b) 40
- (c) 38
- (d) 23

Key: **B**

Itemcode : **PT1127**

Q17 What is the missing number in this series?

: 8 2 14 6 11 ? 14 6 18 12

- (a) 8
- (b) 6
- (c) 9
- (d) 11

Key: **C**

Itemcode : **PT1128**

Q18 Look at this series: 14, 18, 24, 32, 42,... What should come next?

:

- (a) 54
- (b) 52
- (c) 60
- (d) 56

Key: **A**

Itemcode : **PT1129**

Q19 SYZ, TWX, UUV, _____, WQR

:

- (a) CMN
- (b) UJI
- (c) VST
- (d) IJT

Key: **C**

Itemcode : **PT1130**

Q20 13, 21, 48, 112, ?

:

- (a) 237
- (b) 280
- (c) 255
- (d) None of the above

Key: **A**

Itemcode : **PT1131**

Q21 At what time after 4.00 p.m. is the minutes hand of a clock exactly aligned with the hour hand?

:

- (a) 4:21:49.5
- (b) 4:27:49.5
- (c) 3:21:49.5
- (d) 4:21:44.5

Key: **A**

Itemcode : **PT1132**

Q22 A cow is tethered in the middle of a field with a 14 feet long rope. If the cow grazes 100 sq. ft. per day, then approximately what time will be taken by the cow to graze the whole field ?

- (a) 2 days
- (b) 6 days
- (c) 18 days
- (d) 24 days

Key: **B**

Itemcode : **PT1133**

Q23 On sports day, if 30 children were made to stand in a column, 16 columns could be formed. If 24 children were made to stand in a column, how many columns could be formed?

- (a) 20
- (b) 30
- (c) 40
- (d) 50

Key: **A**

Itemcode : **PT1134**

Q24 A man owns $\frac{2}{3}$ of the market research beauro business and sells $\frac{3}{4}$ of his shares for Rs.75000. What is the value of Business

- (a) 150000
- (b) 13000
- (c) 240000
- (d) 34000

Key: **A**

Itemcode : **PT1135**

Q25 Find the average of first 40 natural numbers.

:

- (a) 40
- (b) 35
- (c) 30.6
- (d) 20.5

Key: **D**

Itemcode : **PT1136**

Q26 A is twice as good a workman as B and together they finish a piece of work in 18 days. In how many days will A alone finish the work?

- (a) 27
- (b) 26
- (c) 25
- (d) 24

Key: **A**

Itemcode : **PT1137**

Q27 An institute organised a fete and $\frac{1}{5}$ of the girls and $\frac{1}{8}$ of the boys participated in the same. What fraction of the total number of students took part in the fete ?

- (a) $\frac{2}{13}$
- (b) $\frac{13}{40}$
- (c) Data inadequate
- (d) None of these

Key: **C**

Itemcode : **PT1138**

Q28 In a garden, there are 10 rows and 12 columns of mango trees. The distance between the two trees is 2 metres and a distance of one metre is left from all sides of the boundary of the garden. The length of the garden is

- (a) 20 m
- (b) 22 m
- (c) 24 m
- (d) 26 m

Key: **C**

Itemcode : **PT1139**

Q29

In the following product, what is the coefficient of x^9

$$(1+x)(1+x^2)(1+x^3) \dots (1+x^{100})$$

- (a) 10
- (b) 11
- (c) 8
- (d) 5

Key: **C**

Itemcode : **PT1140**

Q30 If A means '-', B means ' \div ', C means '+', and D means 'x', then $15 B 3 C 24 A 12 D 2 = ?$

:

- (a) 3
- (b) 5
- (c) 7
- (d) 9

Key: **B**

Itemcode : **PT1141**

Q31 Pointing to a girl in the photograph, Pranay said, "Her mother's brother is the only son of my mother's father." How is the girl's mother related to Pranay?

- (a) Mother
 - (b) Sister
 - (c) Aunt
 - (d) Grandmother
- Key: **C**

Itemcode : **PT1142**

Q32 Each question has a given word followed by four choices. Choose the word which is essential part/necessary part of word.

Dome

- (a) rounded
 - (b) worker
 - (c) private
 - (d) iron
- Key: **A**

Itemcode : **PT1143**

Q33 Establishing a Power of Attorney occurs when a legal document is created that gives one individual the authority to act for another. Which situation below is the best example of Establishing a Power of Attorney?

- (a) Louise is selling her house and she hires a lawyer to review the contract.
 - (b) Simone's mother can no longer get to the bank to cash her checks and make deposits, so she has taken legal steps to enable Simone to do these things for her.
 - (c) Jack's father is elderly and Jack thinks he is no longer able to make decisions for himself.
 - (d) At her daughter's urging, Mrs. Lenox opens up a retirement account with the local bank.
- Key: **B**

Itemcode : **PT1144**

Q34 Choose the picture that would go in the empty box so that the two bottom pictures are related in the same way as the top two are related.



- (a) 1
 - (b) 2
 - (c) 3
 - (d) 4
- Key: **C**

Itemcode : **PT1145**

Q35 Consider the following statements:

- 1. The Administrative Reforms Commission (ARC) had recommended that the Department of Personnel of a State should be put under the charge of the Chief Secretary of the State.
- 2. Chief Secretary of a State is not involved in any manner in the promotion of State Civil officers to the All-India Services.

Which of the statements given above is/are correct?

- (a) Only 1
 - (b) Only 2
 - (c) Both 1 and 2
 - (d) Neither 1 nor 2
- Key: **A**

Itemcode : **PT1146**

Q36 Statement: Anger is energy, in a more proactive way and how to channelize it is in itself a skill.

:

Assumptions:

- I. Anger need to be channelized.
- II. Only skillful people can channelize anger to energy.

- (a) If only assumption I is implicit.
 - (b) If only assumption II is implicit.
 - (c) if either I or II is implicit.
 - (d) if neither I or II is implicit.
- Key: **B**

Itemcode : PT1147

Q37 Statements:

- : a. Only a few rails are tails.
b. Some tails are tools.

Conclusion:

- (a) Some rails are tools.
(b) No tools are rails.
(c) Some tails are not tools.
(d) No rails are tails.

Key: **D**

Itemcode : PT1148

Q38 A Guarantee is a promise or assurance that attests to the quality of a product that is either (1) given in writing by the manufacturer or (2) given verbally by the person selling the product. Which situation below is the best example of a Guarantee?

- (a) Melissa purchases a DVD player with the highest consumer ratings in its category.
(b) The salesperson advises Curt to be sure that he buys an air conditioner with a guarantee.
(c) The local auto body shop specializes in refurbishing and selling used cars.
(d) Lori buys a used digital camera from her coworker who says that she will refund Lori's money if the camera's performance is not of the highest quality.

Key: **D**

Itemcode : PT1149

Q39 Arrange the following groups of terms in order of increasing intension.

: DNA, body, cell, T, DNA base, cell nucleus.

- (a) body, cell, cell nucleus, DNA, DNA base, T.
(b) body, cell, cell nucleus, DNA base, T, DNA.
(c) DNA base, T, DNA, body, cell, cell nucleus.
(d) DNA base, DNA, body, cell, cell nucleus, T.

Key: **A**

Itemcode : PT1150

Q40 The given argument is:

: If Bina studies well then Bina passes the examination.
Bina passes the examination.
Therefore, Bina studied well.

- (a) Valid
(b) Invalid
(c) True
(d) False

Key: **B**

Itemcode : PT1151

Q41 Statement: Researchers have found the increasing use of pesticides, responsible for stomach cancer.

: Inferences:
I. The researchers are looking for factors responsible for stomach cancer.
II. Farmers are unaware of the ill-effects of pesticides.

- (a) Only inference II follows
(b) Only inference I follows
(c) Both the inferences follow
(d) None of the inferences follows

Key: **B**

Itemcode : PT1152

Q42 The home is two blocks east of the hospital.

: The school is one block west of the home.
The hospital is west of the school.
If the first two statements are true, the third statement is

- (a) true
(b) false
(c) uncertain
(d) None of the above

Key: **A**

Itemcode : PT1153

Q43 Statements: Death keeps no calendar.

: Conclusions:
i. Man must die one day.
ii. Death can come at any time.

- (a) Only conclusion I follows
(b) Only conclusion II follows
(c) Either I or II follows
(d) Both I and II follow

Key: **D**

Itemcode : PT1154

Q44 When the manned space program began, astronauts were treated with scorn by engineers, who considered themselves

: the glamor boys of the program. Astronauts were passengers who had to fight the engineers in order to get a window in the capsule and to have piloting control. A few decades later, everyone has heard of John Glenn and Alan Shephard, but how many of us can name even one engineer?
Which of the following conclusions proceeds most logically from the preceding paragraph?

- (a) Astronauts are more extroverted than are engineers.
(b) The abilities of engineers have lessened over the years, while those of astronauts have increased.
(c) The public understands the role of the engineer better than it comprehends the role of the astronaut.
(d) People are more interested in the role of the astronaut than in the role of the engineer.

Key: **D**

Itemcode : **PT1155**

Q45 Sixteen candies are to be distributed among four boys Raja, Ram, Mohan and Roy such that each boy receives at least one candy and no two boys receive the same number of candies. Roy should receive 4 more candies than Ram. The number of candies received by Ram should be less than that received by Raja but more than that received by Mohan. What is the difference between the maximum and the minimum number of candies that Raja can receive?

- (a) 1
(b) 2
(c) 3
(d) 4

Key: **C**

Itemcode : **PT1156**

Q46 There are two blanks in each of the following sentences. From the pairs of words given, choose the one that fills the blanks most appropriately. The first word in the pair should fill the first blank.

The metaphor of a light in one's heart, therefore, represents a rejection of thedichotomy between reason and emotion; all the more so since it is a candle of understanding in one's heart, for a candle both light and heat.

- (a) growing, bars
(b) pressing, brews
(c) putative, emits
(d) subsiding, rebukes

Key: **C**

Itemcode : **PT1169**

Q47 The sentences given in the question, when properly sequenced, form a coherent paragraph. Each sentence is labelled with a number. Choose the most logical order of sentences from among the given choices to construct a coherent paragraph.

Five sentences are given below:

1. Nevertheless, we do think that certain aesthetic, evaluative conceptions do relate to specific experiences in a non-trivial way, especially that of aesthetic excellence.
2. This is so because, typically, we think that the experience of beauty is such that we cannot leave it to others to be had.
3. It is rather intriguing that we will often try to persuade people of what we find beautiful, even though we do not believe that they may subsequently base their judgment of taste on our testimony.
4. Moreover, we are often aware of the contingency of our own judgments' foundation in our own experience.
5. Now the discussion within analytical aesthetics concerning the question of what kinds of truth-values adhere to aesthetic judgments of various kinds has evident bearing on the problem of aesthetic experience's relevance for evaluation.

- (a) 31245
(b) 32415
(c) 45123
(d) 32514

Key: **B**

Itemcode : **PT1170**

Q48 The sentences given in the question, when properly sequenced, form a coherent paragraph. Each sentence is labelled with a number. Choose the most logical order of sentences from among the given choices to construct a coherent paragraph.

Five sentences are given below:

1. As Sylvia Huot declared, late medieval writers were perceptive of their changing status and strived to cast off their image as lyric entertainers for a more authorial identity.
2. Much of the scholarship on this issue identifies late-medieval period as a critical moment in the development of modern concepts of authority.
3. Jacqueline provides a detailed diagnosis of medieval literary references for students & medieval scholars alike.
4. The colour of Melancholy cites an engaging survey of the development of authorship in the late Middle Ages, mainly designed for students.
5. Authorship is a subject that has enraptured medievalists for the last two decades.

- (a) 52143
(b) 53124
(c) 52431
(d) 53412

Key: **A**

Passage:

Questions below are data sufficiency problems. Each consists of a question and two statements, labelled (I) and (II) in which certain data are given. You have to decide whether the data given in the statements are sufficient for answering the question. Mark answer:

Itemcode : **PT1157**

Q49 A real estate investment trust loans money at an annual interest rate that varies with the prime rate. How much

: interest did corporation X pay on a loan of INR 50,00,000 for one year?

- (I) The interest rate was always 6 percent above the prime rate.
 (II) The prime rate varied from 6.75 percent to 7.5 percent during the year.

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
 (b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
 (c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
 (d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Key: **D**

Itemcode : **PT1158**

Q50 The rules of baseball state that a batter Legally Completes His Time at Bat when he is put out or becomes a base runner. Which situation below is the best example of a batter Legally Completing His Time at Bat?

- (a) Jared's blooper over the head of the short-stop puts him in scoring position.
 (b) The umpire calls a strike, even though the last pitch was way outside.
 (c) The pitcher throws his famous knuckleball, Joe swings and misses, and the umpire calls a strike.
 (d) The count is two balls and two strikes as Mario waits for the next pitch.

Key: **A**

Itemcode : **PT1159**

Q51 Does $x = 0$?

- :
 (I) $x + x = x$
 (II) $x.x = x$

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
 (b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
 (c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
 (d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Key: **A**

Itemcode : **PT1160**

Q52 In a certain furnished apartment complex, apartments with the same number of beds rent for the same price. What is the difference between the rent for a two bed apartment and that for a three bed apartment?

- (I) The combined rent for a two-bed apartment and a three-bed apartment is INR 40,000.
 (II) The combined rent for a two-bed apartment and 2 three-bed apartments is INR 65,000.

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
 (b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
 (c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
 (d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Key: **C**

Passage:

Answer the questions on the basis of the information given below.

Mr. Mathew teaches students of ten different classes - A through J. The number of students in the given classes is 1 through 10 respectively. No two classes have a common student. In a particular week, he did not teach the students of exactly two out of the ten classes. In the given week, he taught students of each of the remaining eight classes on exactly three different days. He did not teach the students of any class on Sunday, and on each of the remaining six days of the week, he taught the students of exactly four different classes. The number of students taught by him on Monday, Tuesday, Wednesday, Thursday, Friday and Saturday was 18, 12, 23, 19, 32 and 25 respectively. It is also known that, in the given week, no student was absent in his/her respective class.

Itemcode : **PT1161**

Q53 Students of which of the following classes were not taught by him in the given week?

- :
 (a) E and D
 (b) G and D
 (c) I and H
 (d) D and H

Key: **D**

Itemcode : **PT1162**

Q54 Students of which of the following classes were not taught by him on Friday of the week?

- :
 (a) F
 (b) I
 (c) G
 (d) None of these

Key: **D**

Itemcode : **PT1163**

Q55 On Saturday of the week, if Mr. Mathew did not teach students of class J but taught students of class C, then students

: of which of the following classes were not taught by him on two consecutive days of the week?

- (a) C
- (b) E
- (c) A
- (d) G

Key: **A**

Itemcode : **PT1164**

Q56 On Saturday of the week, if Mr. Mathew did not teach students of class J but taught students of class C, then students of class F were taught on

- (a) Tuesday, Friday and Saturday
- (b) Tuesday, Thursday and Friday
- (c) Tuesday, Wednesday and Saturday
- (d) None of these

Key: **A**

Passage:

Answer the questions based on the following information.

Five boys A, B, C, D and E went on a shopping trip. Before shopping, three of the five boys had different amounts from among Rs. 100, Rs. 300 and Rs. 400, and the remaining two of them had the same amount which was Rs. 200. While shopping, they did not lend or borrow from each other. After the shopping, it was found that each of them was left with a different amount from among Rs. 165, Rs. 95, Rs. 70, Rs. 40 and Rs. 10, not necessarily in the same order. It is also known that:

- I. A started with more money than what D started with.
- II. B spent Rs. 15 more than what C spent.
- III. E, who spent Rs. 35, started with more money than exactly one person in the group.
- IV. C started with 66.67% of the money what B started with.
- V. D was left with more money than what A was left with.

Itemcode : **PT1165**

Q57 How much money did A spend?

:

- (a) Rs. 205
- (b) Rs. 190
- (c) Rs. 35
- (d) Rs. 360

Key: **D**

Itemcode : **PT1166**

Q58 What was the position of E in ascending order of spending?

:

- (a) 4
- (b) 3
- (c) 2
- (d) 1

Key: **C**

Itemcode : **PT1167**

Q59 Who was left with Rs. 40?

:

- (a) D
- (b) C
- (c) B
- (d) A

Key: **D**

Itemcode : **PT1168**

Q60 What was the absolute difference between the amounts spent by B and D?

:

- (a) Rs. 160
- (b) Rs. 185
- (c) Rs. 180
- (d) None of these

Key: **D**



CBRT - 2020 Question Paper Grid

Government of Goa

21 November 2020

[Menu](#)

Set Name ▾
Subjects ▾
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Junior Scale Officer(Prescreening Test)

Passage:

Answer the following questions based on the passage:

If we are to think and feel rightly in the new world of science and machines, we must learn to fix our thoughts on other than on this or that section of human race. Unification, political and economic, has been made more possible, and also more necessary by modern technique. There is no longer any need for poverty anywhere in the world. Enmities which once had some biological justification are now nothing but a survival in the machine age of habits of thought and feeling that belong to past ages of inevitable scarcity. It is now possible for one man's sustenance, provided men can learn to co-operate rather than to compete. The trouble in the world arise from the fact that people still have restrictive and competitive ways of thinking which belong to the ages of scarcity.

Itemcode : **PT1231**

Q1 : In the given context of this passage, the phrase "modern technique" implies

- (a) thinking and feeling right
- (b) the world of science and machines
- (c) modern use of machines
- (d) present methods of scientific intervention

Key: **D**

Itemcode : **PT1232**

Q2 : Read the following statements carefully and state whether they are true or false on the basis of the given passage:

- (i) In the past deprivation caused enmities on the basis of race and gender
- (ii) Today they continue to exist due to mental and psychological conditioning

- (a) both the statements (i) and (ii) are true
- (b) both the statements (i) and (ii) are false
- (c) Statement (i) is true; but statement (ii) is false
- (d) Statement (i) is false; but statement (ii) is true

Key: **A**

Itemcode : **PT1233**

Q3 : From the options given below, identify a word in the passage that gives the sense of something that is not avoidable

- (a) scarcity
- (b) enmity
- (c) inevitable
- (d) poverty

Key: **C**

Itemcode : **PT1234**

Q4 : In the new world of science and machines, our thoughts should be focussed on

- (a) modern humanity as a whole
- (b) other than on this or that section of humanity
- (c) on human race since time immemorial
- (d) modern science and machines

Key: **A**

Itemcode : **PT1235**

Q5 : As per the given passage, in the present day, the world still faces problems because human beings in general are

- (a) either cooperative or restrictive
- (b) hardly competitive but quite cooperative
- (c) both restrictive and competitive
- (d) neither cooperative nor competitive

Key: **C**

Passage:

Answer the following questions based on the passage:

Whatever scarcity exists at the present day is not due to natural causes but due to human folly. Given the right outlook and wise action, there would within 50 years be abundance throughout the world even in those parts which are now poorest. But if this is to be achieved, we must learn to regard other people in a friendly manner, not as rivals or enemies. Human beings have suffered from three kinds of maladjustments: in their relation with nature, with other men and with themselves; their

adjustment with nature as a matter of physical science; their adjustments with their fellow men are a matter of politics and economics; their relation with themselves are a matter of what may in the broad sense be called religion.

Itemcode : PT1236

Q6 : From the options provided below, identify the term used in the passage that indicates the antonym of abundance

- (a) human folly
- (b) scarcity
- (c) adjustments
- (d) maladjustments

Key: **B**

Itemcode : PT1237

Q7 : The three kinds of maladjustments have caused hurdles in human relationships at three levels, namely, with nature, with others and with self. All these can be mended by

- (a) regarding people in a friendly manner
- (b) by seeing others as rivals not enemies
- (c) right outlook and wise action
- (d) bringing abundance to the poorest parts of the world

Key: **C**

Itemcode : PT1238

Q8 : "We must learn to regard other people in a friendly manner, not as rivals or enemies". It can be deduced from this statement that:

- (i) We must try to view people as friends and rivals, not as foes;
- (ii) We must try to consider other people affably, not with rivalry or enmity.

State whether these two deductions are true or false.

- (a) deduction (i) is true; deduction (ii) is false
- (b) deduction (i) is false; deduction (ii) is true
- (c) deductions (i) and (ii) are both false
- (d) deductions (i) and (ii) are both true.

Key: **B**

Itemcode : PT1239

Q9 : Whatever scarcity exists at the present day is not due to natural causes but due to human folly. This statement implies that

- (i) human folly is responsible for scarcity at the present times
- (ii) natural causes are responsible for the scarcity in the past
- (iii) human folly is not responsible for scarcity in the past
- (iv) natural causes are not responsible for scarcity at the present

- (a) Statements (i) and (ii) are true
- (b) Statements (iii) and (ii) are true
- (c) Statements (ii) and (iv) are true
- (d) Statements (i) and (iv) are true

Key: **D**

Itemcode : PT1240

Q10 Identify a word from the following options, that means prudent
:

- (a) friendly
- (b) wise
- (c) right
- (d) natural

Key: **D**

Itemcode : PT1181

Q11 Melt : Liquid :: Freeze :?
:

- (a) Ice
- (b) Solid
- (c) Condense
- (d) Push

Key: **B**

Itemcode : PT1182

Q12 225 : 12 : 435 : ?
:

- (a) 12
- (b) 20
- (c) 25
- (d) 19

Key: **D**

Itemcode : PT1183

Q13 In a certain code language, QUEEN is coded as TXHHQ. Which of the following pairs do NOT belong to the same code?
:

- (a) SLAVE, VODYH

(b) REGAL, UHJDO
 (c) ARROW, DUUSZ
 (d) SWORD, VZRUG
 Key: **C**

Itemcode : **PT1184**

Q14 If COMPLETED is coded as MOCELPDET, then DIRECTION will be coded as :
 :

(a) RIDTCENOJ
 (b) SIDTCENOI
 (c) RIDTCENOI
 (d) RIETCENOI
 Key: **C**

Itemcode : **PT1185**

Q15 Which word is the odd man out?
 :

(a) trivial
 (b) unimportant
 (c) important
 (d) insignificant
 Key: **C**

Itemcode : **PT1186**

Q16 16, 33, 65, 131, 261, (...?)
 :

(a) 523
 (b) 521
 (c) 613
 (d) 721
 Key: **A**

Itemcode : **PT1187**

Q17 1,2,6,24,..?..
 :

(a) 111
 (b) 151
 (c) 120
 (d) 125
 Key: **C**

Itemcode : **PT1188**

Q18 Look at this series: 37, 55, 91, 151, 241,.... What should come next?
 :

(a) 365
 (b) 363
 (c) 369
 (d) 367
 Key: **D**

Itemcode : **PT1189**

Q19 ABC, ABC₂, AB₂C₂, _____, A₂B₂C₃
 :

(a) ABC₃
 (b) A₃BC₃
 (c) A₂B₃C
 (d) A₂B₂C₂
 Key: **D**

Itemcode : **PT1190**

Q20 Look at this number series: 80, 10, 70, 15, 60, What number should come next?
 :

(a) 20
 (b) 25
 (c) 30
 (d) None of the above
 Key: **A**

Itemcode : **PT1191**

Q21 A shop keeper sold a T.V set for Rs.17,940 with a discount of 8% and earned a profit of 19.6%.What would have been the percentage of profit earned if no discount was offered?
 :

(a) 24.8%
 (b) 25%
 (c) 26.4%
 (d) None of these
 Key: **D**

Itemcode : **PT1192**

Q22 2 hours after a freight train leaves Delhi a passenger train leaves the same station travelling in the same direction at an average speed of 16 km/hr. After travelling 4 hrs the passenger train overtakes the freight train. The average speed of the freight train was?

- (a) 40
- (b) 30
- (c) 80
- (d) 60

Key: **A**

Itemcode : **PT1193**

Q23 After allowing a discount of 11.11% ,a trader still makes a gain of 14.28 % .at how many percent above the cost price does he mark his goods?

- (a) 28.56%
- (b) 35%
- (c) 22.22%
- (d) None of these

Key: **A**

Itemcode : **PT1194**

Q24 The cost of 16 packets of salt,each weighing 900 grams is Rs.28.What will be the cost of 27 packets ,if each packet weighs 1Kg?

- (a) Rs.52.50
- (b) Rs.56
- (c) Rs.58.50
- (d) Rs.64.75

Key: **A**

Itemcode : **PT1195**

Q25 Dal is now being sold at Rs. 20 a kg. During last month its rate was Rs. 16 per kg. By how much percent should a family reduce its consumption so as to keep the expenditure fixed?

- (a) 20 %
- (b) 40 %
- (c) 3%
- (d) 2%

Key: **A**

Itemcode : **PT1196**

Q26 A number of friends decided to go on a picnic and planned to spend Rs. 96 on eatables. Four of them, however, did not turn up. As a consequence, the remaining ones had to contribute Rs. 4 each extra. The number of those who attended the picnic was

- (a) 8
- (b) 12
- (c) 16
- (d) 24

Key: **A**

Itemcode : **PT1197**

Q27 12 year old Manick is three times as old as his brother Rahul. How old will Manick be when he is twice as old as Rahul ?

- (a) 14 years
- (b) 16 years
- (c) 18 years
- (d) 20 years

Key: **B**

Itemcode : **PT1198**

Q28 Simplify: $\log_2 3 \times \log_3 4 \times \log_4 5 \times \dots \times \log_{127} 128$

- (a) 7
- (b) 8
- (c) 9
- (d) 10

Key: **A**

Itemcode : **PT1199**

Q29 A bus for Delhi leaves every 30 min from a bus stand. An enquiry clerk, Rambabu told Shyamlal, a passenger that the bus has already left 10 min ago and the next bus will leave at 9:35 am. At what time did the enquiry clerk give this information to Shyamlal?

- (a) 9:15 am
- (b) 9:10 am
- (c) 9:20 am
- (d) 9:05 am

Key: **A**

Itemcode : **PT1200**

Q30 Mohan introduces Mary as the daughter of the only son of my father's wife. How is Mary related to Mohan?
:

- (a) Sister
- (b) Daughter
- (c) Sister-in-law
- (d) Cousin

Key: **B**Itemcode : **PT1201**

Q31 Reentry occurs when a person leaves his or her social system for a period of time and then returns. Which situation below best describes Reentry?
:

- (a) When he is offered a better paying position, Javed leaves the hotel he manages to manage another one in a neighboring city.
- (b) Charan is spending her final year of college studying abroad in China.
- (c) Manan is readjusting to civilian life after 2 years of overseas merchant navy service.
- (d) After 5 miserable months, Sneha decides that she can no longer share her room with roommate Hital.

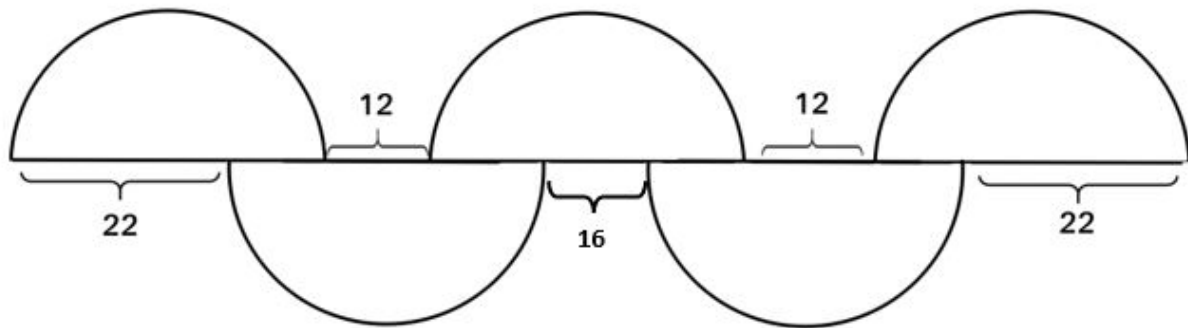
Key: **C**Itemcode : **PT1202**

Q32 When they heard news of the bad weather conditions, Adwait and Reshma decided to change their vacation plans. Instead of traveling to the island beach, they booked a room at a good hotel in the mountains. Their plans were a bit more expensive, but they'd heard wonderful things about the hotel and they were relieved to find availability on such short notice.
This paragraph best supports the statement that

- (a) Adwait and Reshma take beach vacations every year.
- (b) Adwait and Reshma decided to change their vacation plans because of the bad weather.
- (c) It is usually necessary to book at least four months in advance at the hotel.
- (d) The hotel is over cost

Key: **B**Itemcode : **PT1203**

Q33 Five identical semicircles are arranged in the following way. The diameter is
:



- (a) 30
- (b) 18
- (c) 36
- (d) 34

Key: **C**Itemcode : **PT1204**

Q34 Statement: Medicine 'P' is a drug which is causing ripples in the medical field.
:

Assumptions:

- I. No other drug is causing ripples in the medical field.
- II. Medicine 'P' is a great drug.

- (a) If only assumption I is implicit.
- (b) If only assumption II is implicit.
- (c) If either I or II is implicit.
- (d) If neither I or II is implicit.

Key: **D**Itemcode : **PT1205**

Q35 Statements:
:

- a. A few bats are nets.
- b. Only a few jets are nets.

Conclusions:

- I. All nets being jets is a possibility
- II. Some bats are not nets
- III. Some jets are bats

- (a) Only conclusion I follows
- (b) Both I and II follow
- (c) All I, II and III follows
- (d) Only II follows

Key: **A**Itemcode : **PT1206**

Q36 Sundar is an employee in a small airline company with 16 staff members. Each staff member is either a pilot or a cabin crew. The following statements are true
 : There are more cabin crew members than pilots
 There are more male pilots than male cabin crew members.
 There are more male cabin crew members than female cabin crew members.
 There is at least one female pilot
 After working in the company for several years, Sundar retires, and the company chooses not to rehire for that position. However, curiously the above facts still remain true after Sundar's retirement. What is the gender and profession of Sundar?

- (a) Female pilot
 (b) Male pilot
 (c) Female cabin crew
 (d) Male cabin crew
 Key: **C**

Itemcode : **PT1207**

Q37 Alteration is combination of contradictorily opposed determinations in the existence of one and the same thing. This definition is:

- (a) Obscure
 (b) Circular
 (c) Both too broad and too narrow
 (d) Too broad
 Key: **A**

Itemcode : **PT1208**

Q38 If it rains the road will be wet.

:
 Therefore, if it rains then I cannot walk

The missing statement is:

- (a) Either it rains or I cannot walk
 (b) Either I can walk or I need to wear slippers.
 (c) Either the road is not wet or I cannot walk
 (d) None of the above
 Key: **C**

Itemcode : **PT1209**

Q39 I am facing East. Turning to the right I go 10 m, then turning to the left I go 10 m and turning to the right I go 10 m, then again turning to the right I go 20 m and then again, I go 20 m to the right. In which direction am I from my original position?

- (a) North
 (b) West
 (c) South
 (d) East
 Key: **B**

Itemcode : **PT1210**

Q40 Statement: The sale of a particular product has gone down considerably causing great concern to the company.

: Courses of action:
 I. The company should make a proper study of rival products in the market.
 II. The price of the product should be reduced and quality improved.

- (a) Only I follow
 (b) Only II follows
 (c) Either I or II follows
 (d) Neither I nor II follows
 Key: **A**

Itemcode : **PT1211**

Q41 Question below is based on the following passage:

: Formal devaluation of the rupee is one way of ensuring that our exports get the necessary boost. However, that hurts the importers, who need to pay out more local currency for the same equipment as compared to before the devaluation. Based on the above the government has deemed it would wait until all importers are fully covered in the market. i.e., they have paid for all their outstanding commitments, before they devalue the rupee.
 What is the possible flaw in the above argument?

- (a) The government will not be able to time their decision to devalue, perfectly
 (b) The government can not accurately determine the amount of total imports outstanding
 (c) The exporters would also wait for the devaluation before releasing/ exporting goods.
 (d) Imports are not a one-time phenomenon; they will keep coming based on ongoing requirement for plant and machinery and other equipment
 Key: **D**

Itemcode : **PT1212**

Q42 Question below is based on the following passage:

: Scratching the rash caused by a skin disease just exacerbates the problem, but one can not help doing so. The lotions and salves that the doctors prescribe seem to cost too much money and do almost no good. We have found that keeping ice packs on the rash helps, as the skin becomes so numb the itching ceases.
 Assuming the above passage to be correct, with which of the following statements would its author most likely agree?

- (a) Doctors are incapable of estimating the severity of a skin rash on another person.
 (b) Doctors' services are overpriced and do little good.

- (c) Some homemade remedies seem to work better than doctor-prescribed medications.
 (d) Patients have a greater awareness of what feels good to them than their doctors do.

Key: **C**

Itemcode : **PT1213**

Q43 Six balls, each having a distinct colour are equally distributed among three boys Amar, Billu and Chiklu. The balls are coloured blue, green, yellow, pink, red and black. All the boys make three statements each. All the Statements are true except Statement 3 made by two of the boys.

Amar	Statement 1:	I don't have the red ball
	Statement 2:	I have the green ball
	Statement 3:	Chiklu does not have the pink ball
Billu	Statement 1:	I don't have the black ball
	Statement 2:	I have the red ball
	Statement 3:	Amar does not have the blue ball
Chiklu	Statement 1:	I don't have the yellow ball
	Statement 2:	I have the black ball
	Statement 3:	Billu does not have the blue ball

Who speaks the truth in all the three statements?

- (a) Amar
 (b) Billu
 (c) Chiklu
 (d) Can't be determined

Key: **D**

Itemcode : **PT1214**

Q44 There are two blanks in each of the following sentences. From the pairs of words given, choose the one that fills the blanks most appropriately. The first word in the pair should fill the first blank.

Not that the Soviet was the only culprit. In every country where it was shown, the censors had a field day, and nibbled away even at what the Shumiatsky had left.

- (a) kingdom, benevolent
 (b) era, obnoxious
 (c) ideology, blasphemous
 (d) regime, esurient

Key: **D**

Itemcode : **PT1215**

Q45 There is a shortage of tubelights, bulbs and fans in a village - Verena. It is found that

- (a) All houses do not have either tubelight or bulb or fan.
 (b) Exactly 19% of houses do not have just one of these.
 (c) Atleast 67% of houses do not have tubelights.
 (d) Atleast 83% of houses do not have bulbs.
 (e) Atleast 73% of houses do not have fans.

What percentage of houses do not have tubelight, bulb and fan

- (a) 42 %
 (b) 46 %
 (c) 50 %
 (d) 54 %

Key: **A**

Itemcode : **PT1216**

Q46 Argument: Paddy farmers get a higher rate for sale of the rice they produce during the season when growing paddy is relatively tough, due to unfavourable weather conditions. But when paddy crops grow abundantly, they get a relatively lower rate. Hence, in seasons when the yield is high, farmers usually store away a portion of their crop-produce in refrigerated storehouses/granaries, usually for over a couple of seasons as they anticipate getting a better price for their produce in the future.

Question: Which of the following has been assumed by the author?

- (a) For some paddy farmers, the cost of storing their crop-produce is lower than the surplus that they earn by selling the crop at a better price in the future.
 (b) The farmers expect the weather conditions to be unfavourable for growing paddy, in the immediate future.
 (c) The grain quality of the paddy's crop does not get affected by the weather conditions.
 (d) Paddy prices have not been subject to any sharp fluctuations in recent times.

Key: **A**

Itemcode : **PT1229**

Q47 Answer the questions based on the following information. In a class, there are 6 boys and 6 girls. 1 boy has 3 girlfriends, 2 boys have 2 girlfriends each and 3 boys have 1 girlfriend each. If every girl has a boyfriend:

Which of the following is possible?

- (a) One girl has six boyfriends.
 (b) Two girls have three boyfriends each and another girl has two boyfriends.
 (c) Four girls have two boyfriends each.
 (d) None of these

Key: **C**

Itemcode : **PT1230**

Q48 Answer the questions based on the following information. In a class, there are 6 boys and 6 girls. 1 boy has 3 girlfriends, 2 boys have 2 girlfriends each and 3 boys have 1 girlfriend each. If every girl has a boyfriend: Which of the following is not possible?

- (a) One girl has five boyfriends.
- (b) Two girls can have three boy friends in common.
- (c) Only three girls have two boyfriends each.
- (d) None of these

Key: **C**

Passage:

Questions below are data sufficiency problems. Each consists of a question and two statements, labelled (I) and (II) in which certain data are given. You have to decide whether the data given in the statements are sufficient for answering the question. Mark answer:

Itemcode : **PT1217**

Q49 If x and y are nonzero integers, is x/y an integer?

- I) x is the product of 2 and some other integer.
- II) There is only one pair of positive integers whose product equals y .

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
- (b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
- (c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
- (d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Key: **D**

Itemcode : **PT1218**

Q50 If x is an integer, what is the value of x ?

- I) $1/5 < 1/x + 1 < 1/2$
- II) $(x-3)(x-4) = 0$

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
- (b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
- (c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
- (d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Key: **C**

Itemcode : **PT1219**

Q51 Is x^2 equal to xy ?

- I) $x^2 - y^2 = (x+5)(y-5)$
- II) $x = y$

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
- (b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
- (c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
- (d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Key: **B**

Passage:

Answer the questions on the basis of the information given below.

A psychiatrist analysed the results of a test conducted to assess three personality traits—Patience, Compassion and Honesty—on five of his patients—P, Q, R, S, and T. He evaluated each of the personality traits on a scale of 1 to 5 (integers only). It is also known that:

- (i) Scores of no two patients were same in any of the traits.
- (ii) No patient was assigned the same score in all the three traits.
- (iii) Only two patients were assigned the same score in two traits.
- (iv) The score of P in Compassion was equal to that of R in Honesty which was 4.
- (v) The score of T in Compassion was 1 more than his score in Patience, which, in turn, was 2 less than his score in Honesty.
- (vi) Neither P's nor Q's score in any of the traits was 5.
- (vii) The score of S in Patience was equal to that of P in Compassion, and the score of R in Compassion was the same as that of P in Honesty.

Itemcode : **PT1225**

Q52 The score assigned to P in Patience was

- (a) 2

- (b) 3
 (c) 5
 (d) Cannot be determined
 Key: **D**

Itemcode : **PT1226**

Q53 For which of the following pairs of traits can we be sure that no patient had the same score?
 :

- (a) Patience and Compassion
 (b) Compassion and Honesty
 (c) Patience and Honesty
 (d) None of these
 Key: **D**

Itemcode : **PT1227**

Q54 How many patients scored less than or equal to P in each of the three traits?
 :

- (a) 0
 (b) 2
 (c) 1
 (d) 3
 Key: **A**

Itemcode : **PT1228**

Q55 Whose score was maximum in honesty?
 :

- (a) P
 (b) Q
 (c) R
 (d) S
 Key: **D**

Passage:

following questions are based on the six three-digit numbers given below:

428 548 943 297 567 459

Itemcode : **PT1220**

Q56 What is the multiplication of all the digits of the resultant number formed by the difference of the two highest numbers?
 :

- (a) 201
 (b) 145
 (c) 136
 (d) 126
 Key: **D**

Itemcode : **PT1221**

Q57 If the positions of the first and the third digits of each number are interchanged, what will be the difference between middle digits of the lowest and the highest number?
 :

- (a) 169
 (b) 225
 (c) 144
 (d) None of the above
 Key: **C**

Itemcode : **PT1222**

Q58 If in each number the first and the second digits are interchanged then which will be the highest number?
 :

- (a) 428
 (b) 297
 (c) 459
 (d) None of the above
 Key: **B**

Itemcode : **PT1223**

Q59 If 2 is subtracted from the last digit of each of the numbers how many numbers thus formed will be divisible by 3?
 :

- (a) One
 (b) Two
 (c) More than three
 (d) None of the above
 Key: **B**

Itemcode : **PT1224**

Q60 What will be the multiplication of the square of the middle digits of the second lowest and the second highest number?

:

- (a) 169
 - (b) 225
 - (c) 144
 - (d) None of the above
- Key: **C**



CBRT - 2020 Question Paper Grid

Government of Goa

21 November 2020

[Menu](#)

Set Name

Subjects

Display

Junior Scale Officer(Prescreening Test)

Passage:

Answer the questions below based on the passage:

The entire industrial world, this technological wonder-world, has been built because we have been watching helplessly, hypnotized by its brilliance, unable to turn our eyes away from the life of luxury it promises, or to make the small change in our daily habits which might mitigate its destructiveness. This knowledge without character--extraordinary technical expertise- without the will or wisdom to use it well. In Gandhi's perspective, it is up to individuals like you and me to reverse this situation. Environmental abuse and exploitation are not necessary evils-no evil is necessary. In fact, Gandhi went so far as to say that evil in itself is not even real; it exists only as long as we support it.

Itemcode : PT1290

Q1 : Find a word from the passage which means "alleviate"

- (a) extraordinary
- (b) hypnotised
- (c) support
- (d) mitigate

Key: **D**

Itemcode : PT1291

Q2 : "This knowledge without character--extraordinary technical expertise-- without the will or wisdom to use it well". This statement implies that the extraordinary technological know-how lacks

- (a) users with good intentions and wisdom
- (b) technology that is useful to life
- (c) ordinary use of technology
- (d) willpower and prudence

Key: **A**

Itemcode : PT1292

Q3 : The phrase "individuals like you and me" refers to

- (a) everyone who is reading this
- (b) only the author and his reader
- (c) ordinary sensitive citizens
- (d) wise and powerful persons

Key: **C**

Itemcode : PT1293

Q4 : The following phrase or word in the passage best describes the "situation" that needs to be reversed.

- (a) use of technology for environmental abuse
- (b) Gandhi's perspective
- (c) exploitation
- (d) technological wonder-world

Key: **A**

Itemcode : PT1294

Q5 : "Environmental abuse and exploitation are not necessary evils-no evil is necessary". This statement contains two premises about "environmental abuse and exploitation". Select them from the following options

- (a) they are avoidable; all evils are unavoidable
- (b) they are unavoidable; all evils are avoidable
- (c) they are avoidable; all evils are not unavoidable
- (d) they are unavoidable; all evils are avoidable

Key: **C**

Passage:

Answer the following question based on the passage.

Story-telling is perhaps the oldest literary activity of man. Today the short story has become a very powerful genre thanks to the proliferation of magazines and journals and other media of mass communication. A short story is but a piece of life, presenting generally a human situation against a certain background. It has a central idea or core round which the author weaves his plot. By the very limited nature of its scope and aim, he has to practise economy of words and material. For the same reason, he does not have the novelist's freedom of movement for leisurely development of character or plot. Obviously

therefore, the short story writer cannot hope to portray the whole of human life; he can concentrate only on one or two aspects which he seeks to highlight within the limited canvas available to him.

Itemcode : PT1295

Q6 : From the options given below, select the closest synonym of proliferation, in the sense it is used in the passage

- (a) rapid growth
- (b) escalation
- (c) snowballing
- (d) build-up

Key: **A**

Itemcode : PT1296

Q7 : "A short story is but a piece of life, presenting generally a human situation against a certain background. It has a central idea or core round which the author weaves his plot." The one major aspect of the short story specifically not mentioned in the above statements is

- (a) theme
- (b) storyline
- (c) character
- (d) context

Key: **C**

Itemcode : PT1297

Q8 : Identify the term from the options below, which means "any particular style or form of literature that has distinct characteristics form the rest"

- (a) short story
- (b) genre
- (c) novel
- (d) media

Key: **B**

Itemcode : PT1298

Q9 : Select the appropriate shade of meaning for the word "economy" as used in the passage

- (a) thrift
- (b) parsimony
- (c) scrimping
- (d) frugality

Key: **D**

Itemcode : PT1299

Q10 Identify the word or phrase in the passage that means restrictive range of the short story

:

- (a) limited canvas available
- (b) economy of words and material
- (c) nature of its scope and aim
- (d) scope and aim

Key: **A**

Itemcode : PT1241

Q11 Parts : Strap :: Wolf :?

:

- (a) Flow
- (b) Animal
- (c) Wood
- (d) Fox

Key: **A**

Itemcode : PT1242

Q12 ACD : ZWX :: FHJ : ?

:

- (a) QSU
- (b) UQS
- (c) SQU
- (d) USQ

Key: **B**

Itemcode : PT1243

Q13 If COOL is coded as DQRP, then write the code for HOT

:

- (a) JQW
- (b) IQW
- (c) IQX
- (d) IPW

Key: **B**

Itemcode : PT1244

Q14 In a certain code language, JEANS is coded as IEBPV. Which of the following pairs do NOT belong to the same code?
:

- (a) PANTS, OAOVV
- (b) SNACK, RNBEN
- (c) SHIRT, RHJSW
- (d) FAULT, EAVNW

Key: **C**

Itemcode : **PT1245**

Q15 Which word does NOT belong with the others?
:

- (a) wing
- (b) fin
- (c) beak
- (d) rudder

Key: **C**

Itemcode : **PT1246**

Q16 Find the odd one out 6, 9, 15, 21, 24, 28, 30
:

- (a) 28
- (b) 21
- (c) 24
- (d) 30

Key: **A**

Itemcode : **PT1247**

Q17 Choose the pair of numbers which comes next 75 65 85 55 45 85 35
:

- (a) 25 15
- (b) 25 85
- (c) 35 25
- (d) 35 85

Key: **B**

Itemcode : **PT1248**

Q18 Look at this series: 60, 24, 210, 120, 504. What should come next?
:

- (a) 334
- (b) 336
- (c) 338
- (d) 332

Key: **B**

Itemcode : **PT1249**

Q19 A9Z, B8Y, C7X, _____, E5V
:

- (a) E7V
- (b) V2E
- (c) VE5
- (d) D6W

Key: **D**

Itemcode : **PT1250**

Q20 In this series: 1.5, 2.3, 3.1, 3.9, What number should come next?
:

- (a) 4.2
- (b) 4.4
- (c) 4.7
- (d) 5.1

Key: **C**

Itemcode : **PT1251**

Q21 If $(2x-y)=4$ then $(6x-3y)=?$
:

- (a) 15
- (b) 12
- (c) 18
- (d) 10

Key: **B**

Itemcode : **PT1252**

Q22 2 numbers differ by 5.If their product is 336,then the sum of the 2 numbers is:
:

- (a) 21
- (b) 51

- (c) 28
(d) 37
Key: **D**

Itemcode : **PT1253**

Q23 Each question has a given word followed by four choices. Choose the word which is essential part/necessary part of : word.

Respiration

- (a) Blood
(b) lungs
(c) carbon dioxide
(d) oxygen

Key: **D**

Itemcode : **PT1254**

Q24 Ram and Seeta have two children. The probability that the first child is a girl, is 50%. The probability that the second child is a girl, is also 50%. Ram and Seeta tell you that they have a daughter. What is the probability that their other child is also a girl?

- (a) 1/2
(b) 1/3
(c) 1/4
(d) 1/5

Key: **B**

Itemcode : **PT1255**

Q25 If 9 engines consume 24 metric tonnes of coal, when each is working 8 hours a day; how much coal will be required for : 8 engines, each running 13 hours a day, it being given that 3 engines of the former type consume as much as 4 engines of latter type.

- (a) 22 metric tonnes.
(b) 27 metric tonnes.
(c) 26 metric tonnes.
(d) 25 metric tonnes

Key: **C**

Itemcode : **PT1256**

Q26 A man sells two buffaloes for Rs. 7,820 each. On one he gains 15% and on the other, he loses 15%. His total gain or : loss in the transaction is

- (a) 2.5% gain
(b) 2.25% loss
(c) 2% loss
(d) 5% loss

Key: **B**

Itemcode : **PT1257**

Q27 A, B, C, D and E play a game of cards. A says to B, "If you give me three cards, you will have as many as E has and if I : give you three cards, you will have as many as D has." A and B together have 10 cards more than what D and E together have. If B has two cards more than what C has and the total number of cards be 133, how many cards does B have ?

- (a) 22
(b) 23
(c) 25
(d) 35

Key: **C**

Itemcode : **PT1258**

Q28 A tailor had a number of shirt pieces to cut from a roll of fabric. He cut each roll of equal length into 10 pieces. He cut : at the rate of 45 cuts a minute. How many rolls would be cut in 24 minutes?

- (a) 32 rolls
(b) 54 rolls
(c) 108 rolls
(d) 120 rolls

Key: **D**

Itemcode : **PT1259**

Q29 Pankaj and Qasim are able to perform a job in 32 days. Qasim and Ronny are able to do the job in 128 days. Qasim : alone can do the job in 256 days. How long do Pankaj and Ronny take to do the job?

- (a) 64
(b) 16
(c) 48
(d) 32

Key: **D**

Itemcode : **PT1260**

Q30 Raman drove a scooter and covered a certain distance at some speed. Had he travelled 3 kmph faster, he would have : taken 40 minutes less. If he had travelled 2 kmph slower, he would have taken 40 minutes more. The distance (in km)

is:

- (a) 20
 (b) 30
 (c) 35
 (d) 40
 Key: **D**

Itemcode : PT1261

Q31 Raju said to Siri, "Your mother is the daughter of my grandmother". How are Raju and Siri related?
 :

- (a) Uncle - Niece
 (b) Father - Daughter
 (c) Cousin
 (d) None of these
 Key: **C**

Itemcode : PT1262

Q32 "I am irked by the new set of coins being issued. While some first ladies have influenced our country, should we bestow this honor on people who are unelected, whose only credential is having a prominent spouse?"
 The author wanted to state that:

- (a) We should not bestow this honor on unelected people.
 (b) First ladies should not influence the country.
 (c) New sets of coins should not be used.
 (d) Having a prominent spouse is not good.
 Key: **A**

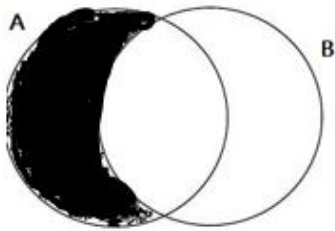
Itemcode : PT1263

Q33 If you're a fitness walker, there is no need for a commute to a health club. Your neighbourhood can be your health club.
 You don't need a lot of fancy equipment to get a good workout either. All you need is a well-designed pair of athletic shoes.
 This paragraph best supports the statement that

- (a) Fitness walking is a better form of exercise than weight lifting.
 (b) A membership in a health club is a poor investment.
 (c) Walking outdoors provides a better workout than walking indoors.
 (d) Fitness walking is a convenient and valuable form of exercise.
 Key: **D**

Itemcode : PT1264

Q34 If A and B are two classes, the below Venn diagram shows the proposition:
 :



- (a) All Bs are As.
 (b) No Bs are As.
 (c) All As are Bs.
 (d) No As are Bs.
 Key: **C**

Itemcode : PT1265

Q35 Five racing drivers, Ajay, Benny, Chinmay, Deepak, and Eknath, enter into a contest that consists of 6 races. The results of all six races are listed below: Benny always finishes ahead of Chinmay. Ajay finishes either first or last. Eknath finishes either first or last. There are no ties in any race. Every driver finishes each race. In each race, two points are awarded for a fifth place finish, four points for fourth, six points for third, eight points for second, and ten points for first. If Frank enters the third race and finishes behind Chinmay and Deepak, which of the following must be true of that race?

- (a) Eknath finishes first.
 (b) Ajay finishes sixth.
 (c) Deepak finishes second.
 (d) Benny finishes fifth.
 Key: **D**

Itemcode : PT1266

Q36 Statements: $A \geq B$; $F < E$; $A \leq D$; $F \leq B$; $C = B$
 Conclusions:

- I. $C < E$
 II. $D > B$
 III. $A \geq F$
 IV. $E > D$

- (a) Only II is true
 (b) Only III is true
 (c) Either I or II true

(d) II and III are true

Key: **D**

Itemcode : **PT1267**

Q37 a. Only a few umbrellas are brown.

- : b. No brown is black.
c. All blacks are greys.

Conclusions:

I. No grey is brown.

II. All greys are brown.

III. Some umbrellas are greys.

- (a) Only II follows
(b) Only I or II follows
(c) Only III follows
(d) None of I, II, III follows

Key: **D**

Itemcode : **PT1268**

Q38 Two girls Latha, Neethu, and two boys, Manish, Omesh are childhood friends. They are seated on a square park bench for a picnic with one person sitting along every edge of the square bench. One among the friends group goes to an Arts school, another is in Business school, third one is in Commerce college, and finally, one of them attends a Dance school.

The arts student sat on Latha's left.

The commerce student sat across Manish.

Neethu and Omesh sat next to each other.

A girl sat on the business school student's left.

Who is the dance student?

- (a) Omesh
(b) Manish
(c) Neethu
(d) Latha

Key: **D**

Itemcode : **PT1269**

Q39 Dogs are frequently encountered in the streets.

- : Afghan hounds are dogs.

Therefore Afghan hounds are frequently encountered in the street.

This commits the fallacy of:

- (a) Composition
(b) Division
(c) Accent
(d) Amphiboly

Key: **B**

Itemcode : **PT1270**

Q40 Which is NOT logically equivalent to the given statement?

- : If every citizen is able to critically analyze the government policies, it brings development to the nation.

- (a) If there is no development then every citizen is not able to critically analyze the government policies.
(b) Either every citizen is not able to critically analyze the government policies or it brings development to the nation.
(c) If every citizen is able to critically analyze the government policies then every citizen is able to critically analyze the government policies and it brings development to the nation.
(d) If there is development to the nation then every citizen is able to critically analyze the government policies.

Key: **D**

Itemcode : **PT1271**

Q41 Arrange the below given words in a meaningful sequence.

- : 1. Elephant 2. Rat 3. Mosquito 4. Tiger 5. Whale

- (a) 5, 3, 1, 2, 4
(b) 3, 2, 4, 1, 5
(c) 1, 3, 5, 4, 2
(d) 2, 5, 1, 4, 3

Key: **B**

Itemcode : **PT1272**

Q42 Statement: If the retired Professors of the same Institutes are also invited to deliberate on restructuring of the organization, their contribution may be beneficial to the Institute.

Courses of action:

I. Management may seek opinion of the employees before calling retired professors.

II. Management should involve experienced people for the systematic restructuring of the organization.

- (a) Only I follow
(b) Only II follows
(c) Either I or II follows
(d) Neither I nor II follows

Key: **B**

Itemcode : **PT1273**

Q43 Increased in the level of high-density lipoprotein (HDL) in the human bloodstream lower blood-stream-cholesterol levels

: by increasing the body's capacity to rid itself of excess cholesterol. Levels of HDL in the bloodstream of some individuals are significantly increased by a program of regular exercise and weight reduction.

Which of the following can be correctly inferred from the statements above?

- (a) Individuals who are underweight do not run any risk of developing high levels of cholesterol in the bloodstream.
- (b) Exercise and weight reduction are the most effective methods of lowering bloodstream cholesterol levels in humans.
- (c) A program of regular exercise and weight reduction lowers cholesterol levels in the bloodstream of some individuals.
- (d) Only regular exercise is necessary to decrease cholesterol levels in the bloodstream of individuals of average weight.

Key: **C**

Itemcode : **PT1274**

Q44 Larry told Mimi that he had to save enough money to buy a motorcycle because everyone was riding motorcycles, and if he didn't have one, he would not be accepted by the gang.

Based on the above passage, which of the following assumptions may be drawn?

- (a) Being accepted by the gang is important to Larry.
- (b) Motorcycles ensure acceptance by the gang.
- (c) Those without motorcycles are never accepted by the crowd.
- (d) Mimi does not want Larry to have a motorcycle.

Key: **A**

Itemcode : **PT1275**

Q45 This question contains six statements followed by four sets of combinations of three. Choose the set in which the statements are most logically related.

- a. All those who achieve great ends are happy
- b. All young people are happy
- c. All young people achieve great ends
- d. No young people achieve great ends
- e. No young people are happy
- f. Some young people are happy

- (a) ade
- (b) abf
- (c) acb
- (d) adf

Key: **C**

Itemcode : **PT1276**

Q46 There are two blanks in each of the following sentences. From the pairs of words given, choose the one that fills the blanks most appropriately. The first word in the pair should fill the first blank.

Truly, with the _____ mirror of material _____ ever before our gaze, we see things spiritual and eternal 'through a glass darkly'.

- (a) tenebrous, reality
- (b) shattered, shadows
- (c) ethereal, reflection
- (d) fading, realms

Key: **A**

Itemcode : **PT1282**

Q47 Ashwin, Nirmal, Srinidhi and Vijay are gambling. In this, different people lose in different games - in reverse alphabetical order. The rule is that if one loses he should double the amount of others (From what they had at the beginning of that game). At the end of the 4th game each one of them has the same amount of money (Rs.32). Which one of them started with the largest amount of money?

- (a) Ashwin
- (b) Nirmal
- (c) Srinidhi
- (d) Vijay

Key: **D**

Itemcode : **PT1300**

Q48 Ashwin, Nirmal, Srinidhi and Vijay are gambling. In this, different people lose in different games - in reverse alphabetical order. The rule is that if one loses he should double the amount of others (From what they had at the beginning of that game). At the end of the 4th game each one of them has the same amount of money (Rs.32). What is the sum total of money with Vijay at the end of 1st game, Srinidhi at the end of the 2nd game, Nirmal at the end of the 3rd game and Ashwin at the end of 4th game?

- (a) 70
- (b) 60
- (c) 80
- (d) 140

Key: **B**

Passage:

Answer the questions based on the following information.

There are six boxes numbered 1 to 6 consecutively. Each box has a different colour ball inside it. The balls are coloured red, green, yellow, purple, orange and blue. They follow the following conditions.

I. The purple ball must be hidden in a lower-numbered box than the box with the orange ball.

- II. The red ball must be hidden in a box immediately adjacent to the box in which the blue ball is hidden.
 III. The green ball must be hidden in box number five.

Itemcode : PT1287

Q49 Which could be the possible order starting from box numbers 1 to 6?

:

- (a) Blue, green, purple, red, orange, yellow
 (b) Blue, red, purple, yellow, green, orange
 (c) Orange, yellow, red, blue, green, purple
 (d) Red, purple, blue, yellow, green, orange

Key: **B**

Itemcode : PT1288

Q50 If the blue ball is under box number four, then the red ball must be under box number.

:

- (a) 2
 (b) 3
 (c) 5
 (d) 6

Key: **B**

Itemcode : PT1289

Q51 Which of the following must be true?

:

- (a) Green ball is under a lower-numbered box than yellow ball.
 (b) The orange ball is under a lower-numbered box than green ball.
 (c) The purple ball is under a lower-numbered box than the green ball.
 (d) The red ball is under a lower-numbered box than the yellow ball.

Key: **C**

Passage:

Answer the questions based on the following information.

Raman, the great mathematician, called on Madan after many years. He enquired about his family. Madan said, "I have three sons. Their names are J, K and L. J is the eldest. L is the youngest. No twins. The product of the ages is 1400. L is at least 2-years-old. None of them is more than 45 years. The sum of their ages is equal to the age of my neighbour E. But even if I tell you E's age, you will not be able to arrive at my sons' ages (despite your mathematical prowess). So I shall not tell you E's age. But L is younger than my neighbor's daughter P. If I tell you the age of P, you will be able to deduce the ages of all my sons. I shall not tell you anything further." Raman was able to deduce the ages of all.

Itemcode : PT1283

Q52 J's age is

:

- (a) 25 years
 (b) 28 years
 (c) 35 years
 (d) 20 years

Key: **A**

Itemcode : PT1284

Q53 K's age is

:

- (a) 8 years
 (b) 10 years
 (c) 15 years
 (d) 14 years

Key: **D**

Itemcode : PT1285

Q54 L's age is

:

- (a) 7 years
 (b) 2 years
 (c) 5 years
 (d) 4 years

Key: **D**

Itemcode : PT1286

Q55 E's age is

:

- (a) 48 years
 (b) 37 years
 (c) 43 years
 (d) 39 years

Key: **C**

Passage:

Questions below are data sufficiency problems. Each consists of a question and two statements, labelled (I) and (II) in which

certain data are given. You have to decide whether the data given in the statements are sufficient for answering the question. Mark answer:

Itemcode : **PT1277**

Q56 If $xy = 0$, is the ratio of x to y equal to $2/5$?

- : I) $x+y = 7$
II) y is 250 percent of x

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
(b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
(c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
(d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Key: **B**

Itemcode : **PT1278**

Q57 If k is an integer multiple of 3, what is the value of k ?

- : I) $k=2x$, where x is an integer.
II) $8 < k < 17$.

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
(b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
(c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
(d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Key: **C**

Itemcode : **PT1279**

Q58 Is x/y less than 1?

- : I) x is the radius of circle C
II) y is the circumference of circle C

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
(b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
(c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
(d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Key: **C**

Itemcode : **PT1280**

Q59 What is the value of x ?

- : I) If 10 is added to x , the result is 24.
II) If x is multiplied by 2, the result is 28.

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
(b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
(c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
(d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Key: **D**

Itemcode : **PT1281**

Q60 Is $N + 5$ an even number?

- : I) $2N + 10$ is an even number.
II) N is an odd number.

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
(b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
(c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
(d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Key: **B**



CBRT - 2020 Question Paper Grid

Government of Goa

22 November 2020

[Menu](#)

Set Name

Subjects

Display

Junior Scale Officer(Prescreening Test)

Passage:

Answer the following questions based on the passage.

Stereotyping is a type of generalization which attributes traits or characteristics to everyone in a large group. People who stereotype tend to have fixed and unbending opinions. They respond to challenges by distorting reality, rather than consider their assumptions and conclusions, which they have labelled as the truth. What happens is that the facts are compared to the stereotype and then rejected, because they do not fit the stereotype. Stereotyping is often caused by ethno-centrism. The ramifications of stereotyping are that it:

- Forces us to choose ideas
- Causes destructive competition
- Alienates us from others
- Leads to narrow thinking

We end up denying dignity to others, whom we stereotype, and generate unhappiness all around us.

Itemcode : PT1351

Q1 : Those who tend to stereotype are not likely to

- (a) have rigid views about others
- (b) revisit their assumptions about others
- (c) believe their opinions as the truth
- (d) distort reality rather than face truth

Key: **B**

Itemcode : PT1352

Q2 : Identify the phrase from the following options, which means 'alienates'

- (a) encourages estrangement
- (b) generates friendliness
- (c) connects to others
- (d) turns towards strangers

Key: **A**

Itemcode : PT1353

Q3 : Select the synonym for 'ramification' from the options provided below

- (a) cause
- (b) aftermath
- (c) juncture
- (d) source

Key: **B**

Itemcode : PT1354

Q4 : Read the following statements carefully and state whether they are true or false:

- (i) The ground reality does not match the assumptions behind the stereotype.
- (ii) The stereotype is thus rejected because it does not fit the perception.

- (a) Both the statements (i) and (ii) are false
- (b) Statement (i) is false but statement (ii) is true
- (c) Statement (i) is true but statement (ii) is false
- (d) Both the statements (i) and (ii) are true.

Key: **C**

Itemcode : PT1355

Q5 : Stereotyping is undesirable because it tends to

- (a) deny dignity to others
- (b) have several negative ramifications
- (c) generate ethno-centric hostility
- (d) all these

Key: **D**

Passage:

Answer the following questions based on the passage:

Most malnutrition is invisible. Consistent undernutrition, together with bouts of infection and diarrhoea, can retard growth so gradually as to go unnoticed by the mother. Unless a child is seriously underweight or shows obvious signs of malnutrition

(listlessness, discoloured hair, irritability, frequent crying, distended stomach) his condition of undernutrition may not be visible to the mother. For timely prevention of malnutrition, the UNICEF has been using the simple inexpensive method of growth monitoring charts which helps mothers whether or not their children are growing and gaining weight correctly and thus can be an effective aid to sound child health and nutrition. The first requirement for children and adults who are undernourished and living at subsistence level is adequate quantity of food. The next is nutritious food, containing all the elements necessary to support life and maintain good health.

Itemcode : PT1356

Q6 : Select from the options given below, the original full form of UNICEF as

- (a) United Nations International Cultural Economic Forum
- (b) United National Cultural Economic Federation
- (c) United Nations International Children's Emergency Fund
- (d) United Nations Intellectual Cultural Economic Foundation

Key: **C**

Itemcode : PT1357

Q7 : As per the passage, when early signs of malnutrition go unnoticed, the immediate fallout is that this

- (a) hinders the prevention of malnutrition
- (b) conceals the condition of undernutrition
- (c) leads to the onset of infection and diarrhoea
- (d) leads to undernutrition in the long run

Key: **B**

Itemcode : PT1358

Q8 : The symptoms of listlessness, discoloured hair, irritability, frequent crying, distended stomach with underweight in a child indicate that she/he is suffering from

- (a) undernutrition
- (b) underweight
- (c) diarrhoea
- (d) malnourishment

Key: **A**

Itemcode : PT1359

Q9 : From the options provided below, identify the word or phrase from the passage that means to delay or slow down the development of something.

- (a) distended
- (b) listlessness
- (c) malnutrition
- (d) retard

Key: **D**

Itemcode : PT1360

Q10 Select the suitable option that explains the term 'subsistence'.

:

- (a) a particular kind of matter having uniform properties
- (b) minimal resources required to survive
- (c) to continue to live or exist
- (d) food or drink regarded as nourishment

Key: **B**

Itemcode : PT1301

Q11 Horse : Jockey : : Car : ?

:

- (a) Mechanic
- (b) Chauffeur
- (c) Steering
- (d) Brake

Key: **B**

Itemcode : PT1302

Q12 Chiku : Fruit : Supermarket : : Novel : ? : ?

:

- (a) Book : Stationery
- (b) Book : Bookstore
- (c) Book : Shop
- (d) Shop : Market

Key: **B**

Itemcode : PT1303

Q13 If in a certain language, PERFECT is coded as SHUIHFW, how is MUMBAI coded in that code?

:

- (a) PXPEDL
- (b) PXPDEK
- (c) CPOCBZ
- (d) CQOCBZ

Key: **A**

Itemcode : **PT1304**

Q14 In a certain language, MADRAS is coded as NBESBT, how is BOMBAY coded in that code ?

- :
- (a) CPNCBZ
 - (b) CPNCBX
 - (c) DPNCBZ
 - (d) DPNCBX

Key: **A**

Itemcode : **PT1305**

Q15 Which word is the odd man out?

- :
- (a) hate
 - (b) fondness
 - (c) liking
 - (d) attachment

Key: **A**

Itemcode : **PT1306**

Q16 Find the odd one out: 396, 462, 572, 427, 671, 264

- :
- (a) 396
 - (b) 427
 - (c) 671
 - (d) 264

Key: **B**

Itemcode : **PT1307**

Q17 Find what is the next letter? O,T,T,F,F,S,S,E,N,___

- :
- (a) B
 - (b) S
 - (c) Q
 - (d) T

Key: **D**

Itemcode : **PT1308**

Q18 Look at this series: 8, 9, 13, 31, 127, ___ What should come next?

- :
- (a) 721
 - (b) 727
 - (c) 731
 - (d) 737

Key: **B**

Itemcode : **PT1309**

Q19 In the following number series one particular number is wrong. Find the wrong number in the series.

: 5, 2.5, 3.75, 9.265, 32.812

- (a) 9.265
- (b) 2.5
- (c) 5
- (d) 32.812

Key: **A**

Itemcode : **PT1310**

Q20 In this series: 14, 28, 20, 40, 32, 64, What number should come next?

- :
- (a) 52
 - (b) 56
 - (c) 96
 - (d) 128

Key: **B**

Itemcode : **PT1311**

Q21 A clock is set right at 8 a.m. The clock gains 10 minutes in 24 hours. What will be the true time when the clock indicates 1 p.m. on the following day?

- (a) 48 min. past 12
- (b) 38 min. past 12
- (c) 28 min. past 12
- (d) 25 min. past 12

Key: **A**

Itemcode : **PT1312**

Q22 If $x=y=2z$ and $xyz=256$ then what is the value of x ?

:

- (a) 8
 (b) 3
 (c) 5
 (d) 6
 Key: **A**

Itemcode : **PT1313**

Q23 $A / B = C$; $C > D$ then
 :

- (a) A is always greater than D
 (b) C is always greater than D
 (c) B is always less than D
 (d) none
 Key: **A**

Itemcode : **PT1314**

Q24 To 15 lts of water containing 20% alcohol, we add 5 lts of pure water. What is % alcohol.
 :

- (a) 20%
 (b) 34%
 (c) 15%
 (d) 14%
 Key: **C**

Itemcode : **PT1315**

Q25 One ship goes along the stream direction 28 km and in opposite direction 13 km in 5 hrs for each direction. What is the velocity of stream?
 :

- (a) 1.5 kmph
 (b) 2.5 kmph
 (c) 1.8 kmph
 (d) 2 kmph
 Key: **A**

Itemcode : **PT1316**

Q26 A pineapple costs Rs. 7 each. A watermelon costs Rs. 5 each. X spends Rs. 38 on these fruits. The number of pineapples purchased is
 :

- (a) 2
 (b) 3
 (c) 4
 (d) Data inadequate
 Key: **C**

Itemcode : **PT1317**

Q27 In a class of 60 students, the number of boys and girls participating in the annual sports is in the ratio 3 : 2 respectively. The number of girls not participating in the sports is 5 more than the number of boys not participating in the sports. If the number of boys participating in the sports is 15, then how many girls are there in the class ?
 :

- (a) 20
 (b) 25
 (c) 30
 (d) Data inadequate
 Key: **C**

Itemcode : **PT1318**

Q28 Arnab can finish a government contract job alone in 12 days. The contract has to be completed in 9 days or less. He incurs a hefty fine for failing to meet the target. Luckily, he can hire among Leena or Meena or Jiva. Leena can finish the task alone in 16 days and charges a fixed fee of Rs 10,000. Meena charges a fixed fee of Rs 8,000 but takes 36 days to finish the job on her own. Jiva charges a fixed fee of Rs 12,000 and can finish the job alone in 12 days. Whom should Arnab hire to complete the task on time and in the most cost-effective manner?
 :

- (a) Meena.
 (b) Leena.
 (c) Jiva.
 (d) All the three will be needed to be hired simultaneously.
 Key: **A**

Itemcode : **PT1319**

Q29 From a group of 7 women-men and 6 men-women, five persons are to be selected to form a committee so that at least 3 women-men are there on the committee. In how many ways can it be done?
 :

- (a) 736
 (b) 756
 (c) 556
 (d) 656
 Key: **B**

Itemcode : **PT1320**

Q30 Read the information carefully and answer the following questions.
 :

If A + B means A is the father of B.
 If A x B means A is the sister of B.
 If A \$ B means A is the wife of B.
 If A % B means A is the mother of B.
 If A \div B means A is the son of B

. Which among the given expressions indicate that M is the daughter of D?

- (a) L % R \$ D + T x M
 (b) L + R \$ D + M x T
 (c) L % R % D + T \div M
 (d) L \$ D \div R % M \div T

Key: **B**

Itemcode : **PT1321**

Q31 What is indirectly stated in this argument:

: "If the proponent of the death penalty is incorrect in his belief that the [death] penalty deters homicide, then he is responsible for the execution of murderers who should not be executed."

- (a) The death penalty is incorrect because it deters homicide.
 (b) The person who execute is responsible of murdering.
 (c) No one should promote execution because it supports death penalty indirectly.
 (d) No one should be executed to advance an objective that is not promoted by execution.

Key: **D**

Itemcode : **PT1322**

Q32 Mathematics allows us to expand our consciousness. Mathematics tells us about economic trends, patterns of disease, and the growth of populations. Math is good at exposing the truth, but it can also perpetuate misunderstandings and untruths. Figures have the power to mislead people. This paragraph best supports the statement that

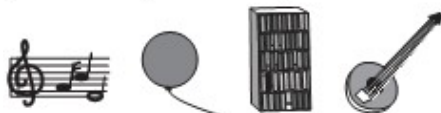
- (a) the study of mathematics is dangerous.
 (b) words are more truthful than figures.
 (c) the study of mathematics is more important than other disciplines.
 (d) figures are sometimes used to deceive people.

Key: **D**

Itemcode : **PT1323**

Q33 Choose the picture that would go in the empty box so that the two bottom pictures are related in the same way as the top two are related.

:



(1) (2) (3) (4)

- (a) 1
 (b) 2
 (c) 3
 (d) 4

Key: **D**

Itemcode : **PT1324**

Q34 The 'A' state government has chalked out a plan for the underdeveloped 'B' district where 66% of the funds will be placed in the hands of a committee of local representatives.

Courses of action:

- I. The 'A' state government should decide guidelines and norms for the functioning of the committee.
 II. Other state government may follow similar plan if directed by the Central government.

- (a) If only I follows
 (b) If only II follows
 (c) If either I or II follows
 (d) If neither I nor II follows

Key: **A**

Itemcode : **PT1325**

Q35 Statements: A@ L, L # N, N& B, B * Q

:

Conclusions:

- I. Q \$ N
 II. B @ L
 III. A @ Q
 IV. L @ Q

- (a) I, II and III are true
 (b) I, II are true
 (c) I, III are true
 (d) I, III and IV are true
 Key: **B**

Itemcode : **PT1326**

Q36 Statements:

:

- a. Only a few friends are enemies.
 b. No enemy is a foe.
 c. Some foes are friends.

Conclusions:

- I. All enemies being friends is a possibility.
 II. All foes being friends is a possibility.

- (a) Only II follows
 (b) Both I and II follows
 (c) Neither I nor II follows
 (d) Only I follows

Key: **B**

Itemcode : **PT1327**

Q37 The question given below has two statements and two conclusions. Assuming the statements to be true, check which conclusions logically follow and mark the appropriate choice.

:

- Statement 1: No dogs are cats.
 Statement 2: All cats are animals.
 Conclusion 1: No dogs are animals.
 Conclusion 2: Some dogs are animals

- (a) Only Conclusion 1 follows
 (b) Only Conclusion 2 follows
 (c) Both Conclusion 1 and Conclusion 2 follows
 (d) Neither Conclusions follow

Key: **D**

Itemcode : **PT1328**

Q38 We cannot repair a (purported) argument if any of the following hold:

:

- i. The obvious premise to add would make the argument weak.
 ii. Any obvious premise to make the argument strong or valid is implausible.
 iii. The conclusion is clearly false.
 iv. The argument is so lacking in coherence that there's nothing obvious to add.

- (a) Only i and ii are correct.
 (b) Only i, ii, iv are correct.
 (c) Only ii and iii are correct.
 (d) All of the above.

Key: **D**

Itemcode : **PT1329**

Q39 If the given argument is invalid, what is the truth value of the statement (b)?

:

- (a) If Sina is elected as class leader, then either Mina is elected as vice-president or Jina is elected as treasurer. (b) Mina is elected as vice-president. Therefore, (c) if Sina is elected as class-leader, then Jina is not elected treasurer.

- (a) True
 (b) False
 (c) The given information is incomplete
 (d) Cannot be determined

Key: **A**

Itemcode : **PT1330**

Q40 Statements: Ravan is always successful.

:

- No fool is always successful.

Conclusions:

- I. Ravan is a fool.
 II. Ravan is not a fool.

- (a) Only conclusion II follows
 (b) Only conclusion I follows
 (c) Either I or II follows
 (d) Neither I nor II follows

Key: **A**

Itemcode : **PT1331**

Q41 Statement: The IMD has forecast that a severe cyclonic storm would hit coastal Andhra Pradesh and Orissa in the next forty-eight hours.

:

Courses of Action:

- I. The local administration should advise the fishermen not to go to dangerous area in the sea.
 II. The local administration should alert the people of coastal areas of these two states and they should be prepared to shift to safer places.

- (a) Only I follow
 (b) Only II follows

- (c) Either I or II follows
 (d) Both I and II follow
 Key: **D**

Itemcode : **PT1332**

Q42 It is true that it is against international law to sell plutonium to countries that do not yet have nuclear weapons. But if United States companies do not do so, companies in other countries will.

Which of the following is most like the argument above in its logical structure?

- (a) It is true that it is against the police department's policy to negotiate with kidnappers. But if the police want to prevent loss of life, they must negotiate in some cases.
 (b) It is true that it is illegal to refuse to register for military service. But there is a long tradition in the United States of conscientious objection to serving in the armed forces.
 (c) It is true that it is illegal for a government official to participate in a transaction in which there is an apparent conflict of interest. But if the facts are examined carefully, it will clearly be seen that there was no actual conflict of interest in the defendant's case.
 (d) It is true that it is against the law to burglarize people's home. But someone else certainly would have burglarized that house if the defendant had not done so first.

Key: **D**

Itemcode : **PT1333**

Q43 ADVERTISEMENT: You can not buy a more potent pain reliever than RELIEF without a prescription.

Which of the following statements is inconsistent with the claim made by the advertisement?

- I. RELIEF is not the least expensive non-prescription pain-reliever one can buy.
 II. Another non-prescription pain-reliever, TOBINE, is just as powerful as RELIEF.
 III. Some prescription pain-relievers are not as powerful as RELIEF.

- (a) I only
 (b) II only
 (c) I & III only
 (d) None of the above

Key: **D**

Itemcode : **PT1334**

Q44 Albert, David, Jerome and Tommy were plucking mangoes in a grove to earn some pocket money during the summer holidays. Their earnings were directly related to the number of mangoes plucked and had the following relationship.

- i. Jerome got less money than Tommy.
 ii. Jerome and Tommy together got the same amount as Albert and David taken together.
 iii. Albert and Tommy together got less than David and Jerome taken together.

Who earned the most pocket money and who plucked the least number of mangoes?

- (a) David and Jerome
 (b) David and Albert
 (c) Jerome and Tommy
 (d) Jerome and Albert.

Key: **B**

Itemcode : **PT1335**

Q45 A paragraph is given below from which the last sentence has been deleted. From the given options, choose the one that completes the paragraph in the most appropriate way.

One in three people born this year will develop dementia, according to new figures. The Alzheimer's Research UK charity warned of a "looming national health crisis" as the population ages. It called for greater efforts across the globe to help develop new treatments. Dementia affects 850,000 people in the UK, resulting in the loss of brain cells. The most common type is Alzheimer's disease.

- (a) The research showed 27% of babies born in 2015 will develop the condition in their lifetime, as compared to the 35% of babies born in 2005.
 (b) As people have shorter lives than ever before, the numbers with dementia will rise.
 (c) Early symptoms include problems with memory and thinking.
 (d) Parkinson's is already the biggest health challenge this country faces.

Key: **C**

Itemcode : **PT1336**

Q46 Three friends divided some bullets equally. After all of them shot 4 bullets the total number of bullets remaining is equal to the bullets each had after division.

Find the original number divided?

- (a) 18
 (b) 20
 (c) 54
 (d) 8

Key: **A**

Itemcode : **PT1348**

Q47 A, B, G and T are robots and P, Q, R, S, T & U are machines. No robot can be assigned to more than 1 machine at the same time.

- A and B are required to run machine T
 B and G are required to run machine R
 G and T are required to run Machine P
 Machine Q can be run by only A
 Machine S and U can be run by any of the robots independently

If machine Q is running which other machines cannot run simultaneously?

- (a) P & S
 (b) R
 (c) T
 (d) S & T
 Key: **C**

Itemcode : **PT1349**

Q48 A, B, G and T are robots and P,Q, R, S ,T& U are machines. No robot can be assigned to more than 1 machine at the same time.
 A and B are required to run machine T
 Band G are required to run machine R
 G and T are required to run Machine P
 Machine Q can be run by only A
 Machine S and U can be run by any of the robots independently
 What is the maximum no of machines that can run simultaneously?

- (a) 2
 (b) 3
 (c) 4
 (d) 5
 Key: **B**

Itemcode : **PT1350**

Q49 On a particular day Zudep and Nidhi decide that they would either speak the truth or will lie. Geepee asks Zudep whether he is speaking the truth or lying. He answers and Nidhi listens to what he said. Geepee then asks Nidhi what Zudep has said, Nidhi says "Zudep says that he is a liar". What is Nidhi speaking?

- (a) The truth
 (b) A lie
 (c) The truth when Zudep lies
 (d) Cannot be determined
 Key: **B**

Passage:

Questions below are data sufficiency problems. Each consists of a question and two statements, labelled (I) and (II) in which certain data are given. You have to decide whether the data given in the statements are sufficient for answering the question. Mark answer:

Itemcode : **PT1342**

Q50 The regular price of a certain shirt was reduced to get a sale price. By how many dollars was the regular price reduced to get the sale price?

- I) The regular price of the shirt was reduced by 20%.
 II) The sale price of the shirt is \$60.

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
 (b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
 (c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
 (d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Key: **C**

Itemcode : **PT1343**

Q51 What is the value of x?

- I) $2x - y = 3 - y$
 II) $y = 1$

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
 (b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
 (c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
 (d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Key: **A**

Itemcode : **PT1344**

Q52 If m and n are positive integers, then m is what percent of n?

- I) $m = n - 3$
 II) $4m = 3n$

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
 (b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
 (c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
 (d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Key: **B**

Passage:

Question below are data sufficiency problems. Each consists of a question and two statements, labelled (I) and (II) in which certain data are given. You have to decide whether the data given in the statements are sufficient for answering the question. Mark answer:

Itemcode : PT1345

Q53 What is the value of $x^2 - y^2$?

- I) $x + y = 2x$
II) $x + y = 0$

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
(b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
(c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
(d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Key: **D**

Itemcode : PT1346

Q54 What is the average distance that automobile D travels on one full tank of Gasoline?

- I) Automobile D averages 8.5 Km per litre of gasoline.
II) The gasoline tank of the automobile D holds exactly 40 litres of gasoline.

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
(b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
(c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
(d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Key: **C**

Itemcode : PT1347

Q55 Is $x^2 < 1/x$?

- I) $x^2 < x$
II) $x > 0$

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
(b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
(c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
(d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Key: **A**

Passage:

Questions below are based on the following information/data:

A, B, C, D, E, F, G and H are sitting around circle and are facing the centre.

- i. A is second to the right of E who is neighbour of C and G
ii. D is not neighbour of A
iii. G is neighbour of F
iv. D is between H and F

Itemcode : PT1337

Q56 Choose the odd man out:

- (a) BC
(b) CE
(c) GF
(d) None of the above

Key: **A**

Itemcode : PT1338

Q57 How many people sit between G and A?

- (a) 1
(b) 3
(c) 2
(d) None of the above

Key: **C**

Itemcode : PT1339

Q58 Choose the odd man out:

- (a) CE
(b) BG
(c) DC

(d) AF
Key: **A**

Itemcode : **PT1340**

Q59 Who sits opposite to E?
:

- (a) H
 - (b) F
 - (c) B
 - (d) None of the above
- Key: **A**

Itemcode : **PT1341**

Q60 Who is the neighbour of A?
:

- (a) G
 - (b) D
 - (c) B
 - (d) None of the above
- Key: **C**



CBRT - 2020 Question Paper Grid

Government of Goa

22 November 2020

[Menu](#)

Set Name

Subjects

Display

Junior Scale Officer(Prescreening Test)

Passage:

Answer the following questions based on passage

We can break mountains apart; we can drain the rivers and flood the valleys. We can turn the most luxurious forests into throwaway paper products. We can tear apart the great grass cover of the western plains and pour toxic chemicals into the soil and pesticides onto the fields until the soil is dead and blown away in the wind. We can pollute air with acids, rivers with sewage, the sea with oil-all this with an intoxication with our power for devastation at an order of magnitude beyond all reckoning. We can invent computers capable of processing ten million calculations per second. And why? To increase the volume and speed with which we move natural resources through the consumer economy to the junk pile or waste heap.

Itemcode : PT1411

Q1 : Identify a word or phrase from the options given below which implies "being overcome with"

- (a) reckoning
- (b) magnitude
- (c) intoxication
- (d) none of these

Key: **C**

Itemcode : PT1412

Q2 : Identify from the options provided below, the expression used to convey the damage directly caused to nature and environment

- (a) devastation
- (b) waste heap
- (c) beyond all reckoning
- (d) junk pile

Key: **A**

Itemcode : PT1413

Q3 : "To increase the volume and speed with which we move natural resources through the consumer economy to the junk pile or waste heap". This statement is an indictment of

- (a) superfast computers
- (b) insensitive consumerism
- (c) natural resources
- (d) junk pile or waste heap

Key: **B**

Itemcode : PT1414

Q4 : From the phrases listed below, select the one which is used in the passage in a non-destructive sense by itself

- (a) drain the rivers
- (b) break mountains
- (c) invent computers
- (d) flood the valleys

Key: **C**

Itemcode : PT1415

Q5 : Identify from the options given below, the one that indicates "harmful substances, used to protect food crops from destruction"

- (a) toxic chemicals
- (b) pesticides
- (c) sewage
- (d) acids

Key: **B**

Passage:

Answer the following questions based on the passage:

I remember the first time when I went to a swimming pool here in the United States. I grew up a great lover of swimming. The river that separated our village from the next served as our swimming pool, and my friends and I would eagerly await the monsoon season-it was great sport for us to swim all the way to the other bank, trying not to be pushed off course by the powerful flood current. You can understand my surprise, then, when I came to the pool and saw a young man floating in an inner tube, sipping a soft drink. I had expected rows of energetic Americans swimming lap after lap, but all I found was this

chap drifting in the sun. As I spoke with him, it became clear that, this was his idea of putting a swimming pool to its best use. He was really under the impression that he was having a grand time.

Itemcode : PT1416

Q6 : The narrator of this passage was surprised to find the young man was

- (a) floating in an inner tube in the pool
- (b) sipping a soft drink in the pool
- (c) all by himself in the pool
- (d) drifting in the sun

Key: **C**

Itemcode : PT1417

Q7 : The monsoon season was much awaited because it provided:

- (i) a challenging flood current to the young swimmers of the village
- (ii) an adventure to swim to the opposite bank of the river

- (a) Statement (i) is true, but statement (ii) is false
- (b) Statement(i) is false but statement (ii) is true
- (c) both the above statements are true
- (d) neither of the above statements is true

Key: **C**

Itemcode : PT1418

Q8 : The passage implies that the narrator felt that

- (a) it was the best use of a swimming pool
- (b) the young man was having a great time
- (c) his expectations of the pool were fulfilled
- (d) his expectations of the pool were belied

Key: **D**

Itemcode : PT1419

Q9 : The passage mentions two issues: (i) the young man's idea of using the pool; and, (ii) his idea of having a grand time. From the tone and tenor of the passage, it is clear that the narrator agrees with

- (a) both (i) and (ii)
- (b) neither (i) nor (ii)
- (c) only (i); but disagrees with (ii)
- (d) only (ii); but disagrees with (i)

Key: **B**

Itemcode : PT1420

Q10 In the context of the phrase "having a grand time", the following option comes closest as a suitable synonym for : "grand"

- (a) enjoyable and good
- (b) illustrious and glorious
- (c) heroic and august
- (d) gallant and imperial

Key: **A**

Itemcode : PT1361

Q11 The following question presents a related pair of words linked by a colon, four pairs of words follow the linked pair.

: Choose the pair of words whose relationship is most like the relationship expressed in the original linked pair.
Flock : geese

- (a) Students : class
- (b) Magic show : children
- (c) Orchestra : musicians
- (d) Park : people

Key: **C**

Itemcode : PT1362

Q12 343 : 678 :: 512 : ?

:

- (a) 1024
- (b) 1536
- (c) 1000
- (d) 1016

Key: **D**

Itemcode : PT1363

Q13 If PAINT is coded as 53168 and EXCEL is coded as 42947 then how would you encode ACCEPT?

:

- (a) 399458
- (b) 547978
- (c) 554978
- (d) 399548

Key: **A**

Itemcode : PT1364

Q14 In a certain code, TRIPPLE is written as SQHOOKD. How is DISPOSE written in that code ?
:

- (a) EJTQPTF
 - (b) EJTQPTG
 - (c) CHRPNRD
 - (d) CHRONRD
- Key: **D**

Itemcode : **PT1365**

Q15 Pick the odd man out?
:

- (a) just
 - (b) fair
 - (c) equitable
 - (d) biased
- Key: **D**

Itemcode : **PT1366**

Q16 Find the odd one out
: 10, 25, 45, 54, 60, 75, 80

- (a) 10
 - (b) 45
 - (c) 54
 - (d) 75
- Key: **C**

Itemcode : **PT1367**

Q17 Complete the series: 5, 20, 24, 6, 2, 8, ?
:

- (a) 12
 - (b) 32
 - (c) 34
 - (d) 36
- Key: **A**

Itemcode : **PT1368**

Q18 Look at this series: 15, 22, 33, 60, 151,.... What should come next?
:

- (a) 498
 - (b) 496
 - (c) 494
 - (d) 502
- Key: **A**

Itemcode : **PT1369**

Q19 3, 12, 27, 48, 75, 108, ?
:

- (a) 147
 - (b) 183
 - (c) 162
 - (d) None of the above
- Key: **A**

Itemcode : **PT1370**

Q20 In this series: 2, 4, 6, 8, 10, What number should come next?
:

- (a) 11
 - (b) 12
 - (c) 13
 - (d) 14
- Key: **B**

Itemcode : **PT1371**

Q21 Dinesh travelled 1200 km by air which formed $\frac{2}{5}$ of his trip. One third of the whole trip, he travelled by car and the rest of the journey he performed by train. What was the distance travelled by train?
:

- (a) 600Km
 - (b) 700Km
 - (c) 800Km
 - (d) 900Km
- Key: **C**

Itemcode : **PT1372**

Q22 A radio when sold at a certain price gives a gain of 20%. What will be the gain percent, if sold for thrice the price?
:

- (a) 280
- (b) 270

- (c) 290
 (d) 260
 Key: **D**

Itemcode : **PT1373**

Q23 Consider the following statements: 1. The Administrative Reforms Commission (ARC) had recommended that the Department of Personnel of a State should be put under the charge of the Chief Secretary of the State. 2. Chief Secretary of a State is not involved in any manner in the promotion of State Civil officers to the All-India Services. Which of the statements given above is/are correct?

- (a) Only 1
 (b) Only 2
 (c) Both 1 and 2
 (d) Neither 1 nor 2
 Key: **A**

Itemcode : **PT1374**

Q24 The product of two fractions is $\frac{14}{15}$ and their quotient is $\frac{35}{24}$. the greater fraction is :

- (a) $\frac{4}{5}$
 (b) $\frac{7}{6}$
 (c) $\frac{7}{5}$
 (d) $\frac{7}{4}$
 Key: **A**

Itemcode : **PT1375**

Q25 A house wife saved Rs. 2.50 in buying an item on sale .If she spent Rs.25 for the item ,approximately how much percent she saved in the transaction ?

- (a) 8%
 (b) 9%
 (c) 10%
 (d) 11%
 Key: **B**

Itemcode : **PT1376**

Q26 A can have a piece of work done in 8 days, B can work three times faster than the A, C can work five times faster than A. How many days will they take to do the work together

- (a) 3 days
 (b) $\frac{8}{9}$ days
 (c) 4 days
 (d) None of the above
 Key: **B**

Itemcode : **PT1377**

Q27 A woman says, "If you reverse my own age, the figures represent my husband's age. He is, of course, senior to me and the difference between our ages is one-eleventh of their sum." The woman's age is

- (a) 23 years
 (b) 34 years
 (c) 45 years
 (d) None of these
 Key: **C**

Itemcode : **PT1378**

Q28 There are deer and peacocks in a zoo. By counting heads they are 80. The number of their legs is 200. How many peacocks are there ?

- (a) 20
 (b) 30
 (c) 50
 (d) 60
 Key: **D**

Itemcode : **PT1379**

Q29 Raghavan walks at a certain constant speed during his morning walks. However, one day due to an injury, he is able to manage at only 80% of his usual speed, which delayed his walk by 15 minutes. How long would he have taken if he were able to walk at his usual speed?

- (a) Data insufficient
 (b) 75 minutes
 (c) 60 minutes
 (d) 45 minutes
 Key: **C**

Itemcode : **PT1380**

Q30 The salaries Aruna, Baruna, and Karuna are in the ratio 2 : 3 : 5. If the increments of 15%, 10% and 20% are allowed respectively in their salaries, then what will be new ratio of their salaries?

- (a) 3: 3: 10
 (b) 10: 11: 20
 (c) 23: 33: 60

(d) Cannot be computed

Key: **C**Itemcode : **PT1381****Q31** Read the information carefully and answer the following questions.

:

- If A + B means A is the father of B.
 If A x B means A is the sister of B.
 If A \$ B means A is the wife of B.
 If A % B means A is the mother of B.
 If A ÷ B means A is the son of B

Which among the following options is true, if the expression $I + T \% J \times L \div K$ is definitely true?

- (a) L is the daughter of T
 (b) K is the son-in-law of I
 (c) I is the grandmother of L
 (d) J is the brother of L

Key: **B**Itemcode : **PT1382****Q32** "The light rays from the sun are scattered by particles in the atmosphere in a certain way that activates the blue part of the spectrum when the light strikes our eyes as we look skyward." This is an example for:

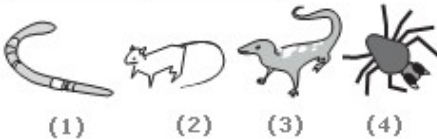
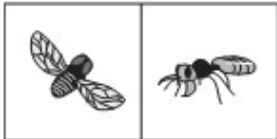
- (a) Statement.
 (b) Argument.
 (c) Cannot say.
 (d) Explanation

Key: **D**Itemcode : **PT1383****Q33** The criminal justice system needs to change. The system could be more just if it allowed victims the opportunity to confront the person who has harmed them. Also, mediation between victims and their offenders would give the offenders a chance to apologize for the harm they have done. This paragraph best supports the statement that victims of a crime should

- (a) learn to forgive their offenders.
 (b) have the right to confront their offenders.
 (c) learn the art of mediation.
 (d) insist that their offenders be punished.

Key: **B**Itemcode : **PT1384****Q34** Choose the picture that would go in the empty box so that the two bottom pictures are related in the same way as the top two are related.

:



- (a) 1
 (b) 2
 (c) 3
 (d) 4

Key: **C**Itemcode : **PT1385****Q35** The car dealer found that there was a tremendous response for the new XYZ's car booking with long queues of people complaining about the duration of business hours and arrangements. Courses of action:

- I. People should make their arrangement of lunch and snacks while going for car XYZ's booking and be ready to spend several hours.
 II. Arrangement should be made for more booking desks and increase business hours to serve more people in less time.

- (a) If only I follows
 (b) If only II follows
 (c) If either I or II follows
 (d) If neither I nor II follows

Key: **B**Itemcode : **PT1386****Q36** Statements:

- : a. Only a few jumps are bumps.
 b. All pumps are bumps.
 Conclusions:
 I. All pumps being jumps is a possibility
 II. No pumps are jumps is a possibility

- (a) Only conclusion I follows
 (b) Only conclusion II follows
 (c) Both I and II follows
 (d) Neither I nor II follows

Key: **C**

Itemcode : **PT1387**

Q37 The question given below has two statements and two conclusions. Assuming the statements to be true, check which conclusions logically follow and mark the appropriate choice.

- : Statement 1: All insects are crickets.
 Statement 2: Some bugs are fly.
 Conclusion 1: Some bug is insect.
 Conclusion 2: Some crickets are insects

- (a) Only Conclusion 1 follows
 (b) Only Conclusion 2 follows
 (c) Both Conclusion 1 and Conclusion 2 follows
 (d) Neither Conclusions follow

Key: **B**

Itemcode : **PT1388**

Q38 For a particular causal claim to be true, describing the purported cause with a claim X and purported effect with a claim

- : Y, the following must hold:
 i. Both X and Y are true.
 ii. Given the normal conditions, the inference from X to Y is clearly valid or strong.
 iii. A is true of an earlier time than X, and both are true of particular places.
 iv. There is no common cause of both X and Y.

- (a) Only ii, iii, iv are correct
 (b) Only iii and iv are correct.
 (c) All of the above
 (d) None of the above

Key: **C**

Itemcode : **PT1389**

Q39 All the desserts except the creampuffs are available. It means:

- : (a) Some creampuffs are available and some creampuffs are not available.
 (b) No creampuffs are desserts that are available and all desserts that are not creampuffs are desserts that are available.
 (c) No creampuffs are desserts that are available.
 (d) All creampuffs are desserts that are available and no desserts that are not creampuffs are desserts that are available.

Key: **B**

Itemcode : **PT1390**

Q40 Insurance Company Y is considering issuing a new policy to cover services required by elderly people who suffer from several diseases that bothers the elderly. Premiums for the policy must be low enough to attract more customers; therefore, Company Y is concerned that the income from the policies would not be much sufficient to pay for the claims that would be made. Which one of the following strategies would be most likely to minimize Company Y's losses on the policies so the company will grow more?

- (a) Attracting middle-aged customers unlikely to submit claims for benefits for many years.
 (b) Insuring only those individuals who did not suffer any serious diseases as children.
 (c) Including a greater number of services in the policy than are included in other policies of lower cost.
 (d) Insuring only those individuals who were rejected by other companies for similar policies.

Key: **A**

Itemcode : **PT1391**

Q41 Statement: Should there be an upper age limit of 60 years for contesting Panchayat elections?

- : Arguments:
 I. Yes. Generally, people above the age of 60 lose their dynamism and will power.
 II. No. The life span is so increased that people remain physically and mentally active even up to the age of 80.

- (a) Only argument I is strong
 (b) Only argument II is strong
 (c) Either I or II is strong
 (d) Neither I nor II is strong

Key: **D**

Itemcode : **PT1392**

Q42 Question below is based on the following passage:

- : Guitar strings often go "dead" - become less responsive and bright in tone - after a few weeks of intense use. A researcher whose son is a classical guitarist hypothesized that dirt and oil, rather than changes in the mineral properties of the string, were responsible.

Which of the following investigations is most likely to yield significant information that would help to evaluate the researcher's hypotheses?

- (a) Determining if a metal alloy is used to make the strings used by classical guitarists

- (b) Determining whether classical guitarists make their strings go dead faster than do folk guitarists.
 (c) Determining whether identical lengths of string, of the same gauge, go dead at different rates when strung on various brands of guitars.
 (d) Determining whether smearing various substances of new guitar strings causes them to go dead.

Key: **D**

Itemcode : **PT1393**

Q43 Question based is based on the following passage:

- : In ancient Athens, the archon Solon encouraged the development of the artisan and manufacturing industries of the city. Unfortunately, though, the aristocrats at that time controlled the government and had many of their interests tied up in land. Their natural opposition to Solon's reforms led them to sabotage many of his projects.
 The argument above assumes that

- (a) The aristocracy had seized power from the lower classes and their democratically-elected government in an unpopular coup.
 (b) Solon was not an aristocrat himself, but rather a member of the lower classes of Athens.
 (c) Democracy is a superior form of government to aristocracy.
 (d) Those with interests in land are not interested in investing in or fostering manufacturing

Key: **D**

Itemcode : **PT1394**

Q44 Every day Neera's husband meets her at the city railway station at 6.00 p.m and drives her to their residence. One day she left early from the office and reached the railway station at 5.00 p.m. She started walking towards her home, met her husband coming from their residence on the way and they reached home 10 minutes earlier than the usual time. For how long did she walk?

- (a) 60 minutes
 (b) 50 minutes
 (c) 30 minutes
 (d) 55 minutes

Key: **D**

Itemcode : **PT1395**

Q45 In the question, a part of the sentence has been underlined. From the choices given to you, you are required to choose the one which would best replace the underlined part.

Diabetes UK Inc. warned that there is a urgent need for effective care by sufferers, while more must be done to highlight the importance of prevention.

- (a) a urgent need for effective care by sufferers, while
 (b) an urgent need for effective care by sufferers, though
 (c) an urgency for effective care for sufferers as
 (d) an urgent need for effective care for sufferers, while

Key: **D**

Itemcode : **PT1396**

Q46 Three logicians - A, B and C are wearing hats, which they know are either black or white but not all white. A can see the hats of B and C; B can see the hats of A and C; C is blind. Each is asked in turn if they know the colour of their own hats. The answers are 'A : No, B : No, C : Yes'. What is the colour of C' s hat?

- (a) Black
 (b) White
 (c) Black if A is wearing a white hat
 (d) Cannot be determined

Key: **A**

Itemcode : **PT1403**

Q47 Answer the question on the basis of the information given below.

- : Four solids, namely a Sphere, a Cube, a Pyramid and a Cone are made of four different materials among Kryptonite, Wood, Diamond and Glass. Each solid is of a different colour among White, Green, Yellow and Black and each has a unique weight among 1 kg, 2 kg, 3 kg, and 4 kg. The costs of these solids are Rs.1 thousand, Rs. 1 million, Rs.1 billion and Rs.1 trillion. Each of the solids is manufactured by exactly one process among Cutting, Casting, Moulding and Forging. All the above mentioned properties of the solids are not in any particular order.
 Further, the following information is available:
 i. The Sphere is made of Diamond but it is neither Black in colour nor is it manufactured through the process of Casting.
 ii. The Cube is the 3rd heaviest and also the cheapest but it is neither made of Wood nor manufactured through the process of Casting.
 iii. The solid made of Kryptonite is manufactured through the process of Cutting but it is not Black in colour.
 iv. No two solids have the same relative position in terms of cost and weight.
 v. The Pyramid is manufactured through the process of Moulding and is neither the costliest nor the lightest and it is not made of Wood or Diamond but is Green in Colour.

If it is given that the solid made of Diamond is the heaviest but not White in colour, then which of the following statements is true?

- (a) The Cone, which is made of Wood and manufactured through the process of Casting, is White in colour.
 (b) The Cube, which is made of Kryptonite and manufactured through the process of Cutting, costs Rs.1000 and is Yellow in colour.
 (c) The Sphere, which is made of Diamond and is Yellow in colour, is manufactured through the process of Forging.
 (d) None of these.

Key: **C**

Itemcode : **PT1404**

Q48 Answer the question on the basis of the information given below.

- : Four solids, namely a Sphere, a Cube, a Pyramid and a Cone are made of four different materials among Kryptonite,

Wood, Diamond and Glass. Each solid is of a different colour among White, Green, Yellow and Black and each has a unique weight among 1 kg, 2 kg, 3 kg, and 4 kg. The costs of these solids are Rs.1 thousand, Rs. 1 million, Rs.1 billion and Rs.1 trillion. Each of the solids is manufactured by exactly one process among Cutting, Casting, Moulding and Forging. All the above mentioned properties of the solids are not in any particular order.

Further, the following information is available:

- i. The Sphere is made of Diamond but it is neither Black in colour nor is it manufactured through the process of Casting.
- ii. The Cube is the 3rd heaviest and also the cheapest but it is neither made of Wood nor manufactured through the process of Casting.
- iii. The solid made of Kryptonite is manufactured through the process of Cutting but it is not Black in colour.
- iv. No two solids have the same relative position in terms of cost and weight.
- v. The Pyramid is manufactured through the process of Moulding and is neither the costliest nor the lightest and it is not made of Wood or Diamond but is Green in Colour.

Which solid is made of Wood and is manufactured through the process of Casting?

- (a) Sphere
- (b) Cube
- (c) Pyramid
- (d) Cone

Key: **D**

Itemcode : **PT1409**

Q49 Eight varsity baseball players (G, H, J, K, L, M, N, O) are to be honoured at a special ceremony. Three of these players (H, M and O) are also varsity football players. Two of them (K and N) are also basketball players on the varsity team. In arranging the seats it was decided that no athlete in two sports should be seated next to another two-sport athlete.

Which of the following combination is possible in order to have the arrangement of seat as planned?

- (a) H G K J
- (b) H K J L
- (c) J K M N
- (d) J L H K

Key: **A**

Itemcode : **PT1410**

Q50 Eight varsity baseball players (G, H, J, K, L, M, N, O) are to be honoured at a special ceremony. Three of these players (H, M and O) are also varsity football players. Two of them (K and N) are also basketball players on the varsity team. In arranging the seats it was decided that no athlete in two sports should be seated next to another two-sport athlete. To have the proper seating arrangement, K should sit between:

- (a) G and H
- (b) J and M
- (c) L and N
- (d) J and L

Key: **D**

Passage:

Each question below contains six statements followed by four sets of combinations of three; Choose the set in which the statement are logically related.

Itemcode : **PT1397**

- Q51**
- A. No school boy studies hard.
 - B. All school boys go to school.
 - C. Some school boys are good at games.
 - D. All school girls study hard.
 - E. No school girl is a school boy.
 - F. All school girls are children.

- (a) ABC
- (b) BCD
- (c) ADE
- (d) DEF

Key: **C**

Itemcode : **PT1398**

- Q52**
- A. Some businessmen have good planning skills.
 - B. Some professionals have good planning skills.
 - C. Some businessmen have good implementation skills.
 - D. Some businessmen have good planning skills.
 - E. Good planning skills lead to good implementation.
 - F. Some businessmen implement well.

- (a) ACD
- (b) ADB
- (c) DEF
- (d) ABC

Key: **C**

Itemcode : **PT1399**

- Q53**
- A. Final year students would like a good career.
 - B. All final year students are eligible as candidates for MBA entrance examination. Final year students are eligible for a good career.
 - C. Some of those who are candidates for an MBA entrance examination are final year students.
 - D. All those eligible as candidates for an MBA entrance examination are eligible for a good career.
 - E. All those who would like a good career are entitled to it.

- (a) AEF

- (b) EBC
 (c) BCF
 (d) CDF
 Key: **B**

Passage:

Questions below are data sufficiency problems. Each consists of a question and two statements, labelled (I) and (II) in which certain data are given. You have to decide whether the data given in the statements are sufficient for answering the question. Mark answer:

Itemcode : **PT1400**

Q54 By what percent has the price of an overcoat been reduced?

- : I) The original price was \$ 380.
 II) The original price was \$ 50 more than the reduced price.

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
 (b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
 (c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
 (d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Key: **C**

Itemcode : **PT1401**

Q55 If the Longfellow playground is rectangular, what is its width?

- : I) The ratio of its length to its width is 7 to 2.
 II) The perimeter of the playground is 396 meters.

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
 (b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
 (c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
 (d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Key: **C**

Itemcode : **PT1402**

Q56 What is the value of $x - 1$?

- : I) $x + 1 = 3$
 II) $x - 1 < 3$

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
 (b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
 (c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
 (d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Key: **A**

Passage:

Answer the questions on the basis of the following information.

Four families decided to attend the marriage ceremony of one of their colleagues. One family has no kids, while the others have at least one kid each. Each family with kids has at least one kid attending the marriage. Given below is some information about the families, and who reached when to attend the marriage.

- i. The family with two kids came just before the family with no kids.
- ii. Shanthi who does not have any kids reached just before Sridevi's family.
- iii. Sunil and his wife reached last with their only kid.
- iv. Anil is not the husband of Joya.
- v. Anil and Raj are fathers.
- vi. Sridevi's and Anita's daughters go to the same school.
- vii. Joya came before Shanthi and met Anita when she reached the venue.
- viii. Raman stays the farthest from the venue.
- ix. Raj said his son could not come because of his exams.

Itemcode : **PT1405**

Q57 Who among the following arrived third?

- :
 (a) Shanthi
 (b) Sridevi
 (c) Anita
 (d) Joya
 Key: **A**

Itemcode : **PT1406**

Q58 Name the correct pair of husband and wife.

:

- (a) Raj and Shanthi
- (b) Sunil and Sridevi
- (c) Anil and Sridevi
- (d) Raj and Anita

Key: **B**

Itemcode : **PT1407**

Q59 Of the following pairs, whose daughters go to the same school?

:

- (a) Anil and Raman
- (b) Sunil and Raman
- (c) Sunil and Anil
- (d) Raj and Anil

Key: **C**

Itemcode : **PT1408**

Q60 Whose family is known to have more than one kid for certain?

:

- (a) Raman's
- (b) Raj's
- (c) Anil's
- (d) Sunil's

Key: **B**



CBRT - 2020 Question Paper Grid

Government of Goa

22 November 2020

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Set Name

Subjects

Display

Junior Scale Officer(Prescreening Test)

Passage:

Answer the following questions based on the passage:

We are flying blind into a highly unknown future. The changes are going to affect every human being and every ecosystem on the face of the earth and we have only a glimmer of what these changes will be. The atmosphere is supposed to do two things for us: maintain a constant climate of oxygen, nitrogen and water vapour, and help maintain the radiation balance-for example by keeping out excessive ultraviolet. The unthinkable is that we are distorting this atmospheric balance. We are shifting the chemical balance so that we have more poisons in the atmosphere-ozone and acid rain on the ground level-while we are also changing the thermal climate of the earth through the greenhouse effect-and get this - simultaneously causing the destruction of our primary filter of ultraviolet light. It is incredible.

Itemcode : **PT1471**

Q1 : The shift in chemical balance and the change in thermal climate are seen as the greatest threat to

- (a) the human beings
- (b) the ecosystems
- (c) the atmospheric balance
- (d) a constant climate

Key: **C**

Itemcode : **PT1472**

Q2 : Identify from the options given below, the term used in the passage to mean "a community or group of living organisms who live and interact with each other".

- (a) atmosphere
- (b) ecosystem
- (c) earth
- (d) climate

Key: **B**

Itemcode : **PT1473**

Q3 : The role of the atmosphere is mainly to help in

- (a) maintaining chemical and radiation balances
- (b) enhancing the greenhouse effect
- (c) altering the thermal climate
- (d) none of the above

Key: **A**

Itemcode : **PT1474**

Q4 : The meaning of the word "incredible" as used in the passage is

- (a) impossible
- (b) very difficult to believe
- (c) extremely good
- (d) all these

Key: **B**

Itemcode : **PT1475**

Q5 : From the options provided below, identify the word or expression in the passage that implies venturing forth unmindfully.

- (a) thermal
- (b) distorting
- (c) causing destruction
- (d) flying blindly

Key: **D**

Passage:

Answer the following questions based on the passage:

Like all real artists the short story writer holds up the mirror to Nature in all its complexity and diversity. Nothing is too small or too big for the writer's pen but all is grist to his mill. All that is expected of a good story is that it should read well, hold the attention of the reader and leave a satisfying feeling at the end..Some of the finest short stories in English are written by American, English and Indian authors. O'Henry's 'The Robe of Peace' is a moving story in a deceptively casual style, about the transformation of a young American dandy into a serene monk who has achieved peace. 'The Miracle of Pura Bhagat' is one of Rudyard Kipling's masterpieces which tells the story of an English-educated Dewan of a Princely state of North India, who

renounces power and self to become a Bhagat and who saves a whole village from a Himalayan landslide before he himself breathes his last.

Itemcode : PT1476

Q6 : Select from the passage the word or expression that implies something that can be used to advantage for one's purpose.

- (a) masterpiece
- (b) satisfying
- (c) grist
- (d) pelf

Key: **C**

Itemcode : PT1477

Q7 : From the options provided below, identify the implied meaning of the phrase "deceptively casual" as mentioned in the passage

- (a) faked accidental
- (b) misleadingly informal
- (c) falsely unrestrained
- (d) mock natural

Key: **B**

Itemcode : PT1478

Q8 : Identify the antonyms of "complexity and diversity" respectively, from the options given below:

- (a) simplicity and uniformity
- (b) similar and homogenous
- (c) simulated and identity
- (d) straight forwardness and consonance

Key: **A**

Itemcode : PT1479

Q9 : "All that is expected of a good story is that it should read well, hold the attention of the reader and leave a satisfying feeling at the end."

Read the above statement carefully and identify from the options given below, the traits that are closely described in it.

- (a) readable, enthralling, charming
- (b) expectant, exhilarating, thrilling
- (c) engaging, captivating, enjoyable
- (d) legible, attentive, funny

Key: **C**

Itemcode : PT1480

Q10 Identify from the options provided below, the implied meaning of the phrase "holds up the mirror to Nature in all its : complexity and diversity" as it is used in the passage

- (a) gives a verbatim picture of Nature at all times
- (b) faithfully resembles Nature's vagaries
- (c) represents Nature's complication
- (d) emulates nature in its intricate variety

Key: **D**

Itemcode : PT1421

Q11 The following question presents a related pair of words linked by a colon, four pairs of words follow the linked pair.

: Choose the pair of words whose relationship is most like the relationship expressed in the original linked pair.
Spade : dig

- (a) Child : stubborn
- (b) Cloud : snow
- (c) Brake : car
- (d) Spoon : eat

Key: **D**

Itemcode : PT1422

Q12 RT : QU : : VX : ?

:

- (a) WY
- (b) TW
- (c) YW
- (d) UY

Key: **D**

Itemcode : PT1423

Q13 Here are some words transformed from an artificial language.

:

plekapaki means fruitcake
pakishillen means cakewalk
treftalan means buttercup
Which word could mean "buttercake"?

- (a) shillenanalan

- (b) treftpaki
(c) pakitreft
(d) alanpaki
Key: **B**

Itemcode : **PT1424**

Q14 In a certain code, MENTION is written as LNEITNO. How is PATTERN written in that code ?
:

- (a) ATAETNR
(b) OTAETNR
(c) OTAESNR
(d) STAETNR
Key: **B**

Itemcode : **PT1425**

Q15 Which word does NOT belong with the others?
:

- (a) excite
(b) flourish
(c) prosper
(d) thrive
Key: **A**

Itemcode : **PT1426**

Q16 Look at this series: 12, 11, 13, 12, 14, 13, ... What number should come next?
:

- (a) 10
(b) 16
(c) 13
(d) 15
Key: **D**

Itemcode : **PT1427**

Q17 In the following number series given, one particular number is wrong. Find out that wrong number in series.
: 2, 3, 14, 67, 340, 1825, 11166

- (a) 3
(b) 885
(c) 67
(d) 172
Key: **C**

Itemcode : **PT1428**

Q18 2, 3, 8, 63, ?
:

- (a) 3900
(b) 3636
(c) 3968
(d) None of the above
Key: **C**

Itemcode : **PT1429**

Q19 In this series: 201, 202, 204, 207, ... What number should come next?
:

- (a) 205
(b) 208
(c) 210
(d) 211
Key: **D**

Itemcode : **PT1430**

Q20 A train which travels at a uniform speed due to some mechanical fault after traveling for an hour goes at $\frac{3}{5}$ th of the original speed and reaches the destination 2 hrs late. If the fault had occurred after traveling another 50 miles the train would have reached 40 min earlier. What is distance between the two stations.
:

- (a) 300
(b) 310
(c) 320
(d) 305
Key: **A**

Itemcode : **PT1431**

Q21 x% of y is y% of ?
:

- (a) x/y
(b) 2y
(c) x

(d) can't be determined
Key: **C**

Itemcode : **PT1432**

Q22 The population of a town was 1,60,000 three years ago. If it increased by 3%, 2.5% and 5% respectively in the last three years, then the present population of the town is :

- (a) 1,77,000
- (b) 1,77,366
- (c) 1,77,461
- (d) 1,77,596

Key: **B**

Itemcode : **PT1433**

Q23 500 men are arranged in an array of 10 rows and 50 columns according to their heights. Tallest among each row of all are asked to fall out. And the shortest among them is A. Similarly after resuming that to their original positions that the shortest among each column are asked to fall out. And the tallest among them is B . Now who is taller among A and B ?

- (a) A
- (b) B
- (c) Both are of same height
- (d) None of the above

Key: **A**

Itemcode : **PT1434**

Q24 Superheroes Lina and Tanmay leave the same camp and run in opposite directions. Lina runs 1 mile per second (mps) and Tanmay runs 2 mps. How far apart are they in miles after 1 hour?

- (a) 10800 mile
- (b) 19008 mile
- (c) 12300 mile
- (d) 14000 mile

Key: **A**

Itemcode : **PT1435**

Q25 $(1/10)^{18} - (1/10)^{20} = ?$

- (a) 99/1020
- (b) 99/10
- (c) 0.9
- (d) none of these

Key: **D**

Itemcode : **PT1436**

Q26 A girl counted in the following way on the fingers of her left hand : She started by calling the thumb 1, the index finger 2, middle finger 3, ring finger 4, little finger 5 and then reversed direction calling the ring finger 6, middle finger 7 and so on. She counted upto 1994. She ended counting on which finger ?

- (a) Thumb
- (b) Index finger
- (c) Middle finger
- (d) Ring finger

Key: **B**

Itemcode : **PT1437**

Q27 A man wears socks of two colours - Black and brown. He has altogether 20 black socks and 20 brown socks in a drawer. Supposing he has to take out the socks in the dark, how many must he take out to be sure that he has a matching pair ?

- (a) 3
- (b) 20
- (c) 39
- (d) None of these

Key: **A**

Itemcode : **PT1438**

Q28 A test has 30 questions; each correct answer is awarded 4 marks; every wrong answer carries a penalty of 1 mark and no marks for an unattempted question. A group of friends took the test. If all of them scored exactly 5 marks, but each of them attempted a different number of questions, what is the maximum number of people who could be in the group?

- (a) 3
- (b) 4
- (c) 5
- (d) 6

Key: **D**

Itemcode : **PT1439**

Q29 Answer the question on the basis of the information given below.

The question consists of two statements, labeled I and II, which contain certain data. By using these data decide whether the data given is sufficient to answer the question and then indicate one of the following choices as your answer.

Average age of four persons A, B, C, and D is 46 years. Who is the oldest among them?

- I. C is 91-year-old.
 II. Ages (in years) of all of them are distinct natural numbers.

- (a) Statement I alone is sufficient, but statement II alone is not sufficient and vice-versa.
 (b) Either of the statements alone is sufficient.
 (c) Statements I and II together are sufficient.
 (d) Statements I and II together are not sufficient.
 Key: **C**

Itemcode : **PT1440**

Q30 If A \$ B means "A is the father of B", A # B means 'A is the daughter of B', A @ B means : 'A is the sister of B', then how is K related to M in H @ K \$ L # M?

- (a) Husband
 (b) Uncle
 (c) Father
 (d) Cannot be determined
 Key: **A**

Itemcode : **PT1441**

Q31 Raju is a person of bad character. Therefore, his argument should not be accepted.
 : This argument is an example for:

- (a) Ad hominem
 (b) Ad ignorantiam
 (c) Ad misericordiam
 (d) Ad populum
 Key: **A**

Itemcode : **PT1442**

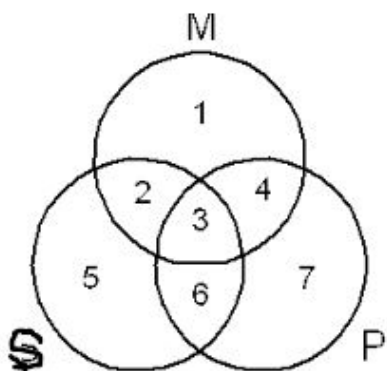
Q32 Four alternative summaries are given below the passage. Choose the option that best captures the essence of the text.
 :

The more prevalent view of language, at least since the scientific revolution and still assumed in some manner by most linguists today, considers any language to be a set of arbitrary but conventionally agreed upon words or signs, linked by a purely formal system of syntactic and grammatical rules. Language, in this view, is rather like a code; it is a way of representing actual things and events in the perceived world, but it has no internal, no arbitrary connections to that world, and hence is readily separable from it.

- (a) That language is a set of rules is an assumption.
 (b) By attending solely to the denotative and conventional aspect of verbal communication, we can hold ourselves apart from, and outside of the rest of animate nature.
 (c) Language is a set of rules and codes which represents the world.
 (d) Language represents the world but is separable from it.
 Key: **D**

Itemcode : **PT1443**

Q33 If the given information is true then what needs to be added to infer a true conclusion from the Venn diagram with : three classes- SPM? 1= 0, 2= 0, 5=0



- (a) 7 = 0
 (b) 6 = 0
 (c) 4 = 0
 (d) 3 = 0
 Key: **B**

Itemcode : **PT1444**

Q34 The 'M' state government has decided hence forth to award the road construction contracts through open tenders only.
 : Courses of action:

- I. The 'M' state will not be able to get the work done swiftly as it will have to go through tender and other procedures.
 II. Hence forth the quality of roads constructed may be far better.

- (a) If only I follows
 (b) If only II follows
 (c) If either I or II follows
 (d) If neither I nor II follows
 Key: **D**

Itemcode : **PT1445**

Q35 Statement : $P \geq N > M < N \leq L$
 :

Conclusion:

I.L > M

II.L > N

III.M < P

IV.N > P

- (a) Only I is true
 (b) Only II is true
 (c) Only I and II are true
 (d) Only I and III are true

Key: **D**

Itemcode : **PT1446**

Q36 Statements:

- : a. Only a few kites are slates.
 b. Only a few bites are slates.

Conclusions:

- (a) Some kites are bites.
 (b) Some kites are not bites.
 (c) All bites being kites is not a possibility.
 (d) No kite is a bite is a possibility.

Key: **D**

Itemcode : **PT1447**

Q37 The question given below has two statements and two conclusions. Assuming the statements to be true, check which conclusions logically follow and mark the appropriate choice.

- : Statement 1: All books are pens.
 Statement 2: No books are newspaper.
 Conclusion 1: Some pens are books
 Conclusion 2: Some newspaper is not a book

- (a) Only Conclusion 1 follows
 (b) Only Conclusion 2 follows
 (c) Both Conclusion 1 and Conclusion 2 follows
 (d) Neither Conclusions follow

Key: **C**

Itemcode : **PT1448**

Q38 If I study hard, I will pass the examination. I have passed the examination. Therefore, I have studied hard. This argument is:

- (a) Valid because if the consequent is true then the antecedent must be true.
 (b) Invalid because the conclusion does not follow.
 (c) Invalid because the antecedent is not true.
 (d) Valid because the conclusion follows conclusively.

Key: **B**

Itemcode : **PT1449**

Q39 Given the categorical proposition "All mail order brides are women who face risky futures." If the quality but not the quantity is changed, the resulting proposition is:

- (a) All mail order brides are not women who face risky futures.
 (b) Some mail order brides are not women who face risky futures.
 (c) Some mail order brides are women who face risky futures.
 (d) No mail order brides are women who face risky futures.

Key: **D**

Itemcode : **PT1450**

Q40 A hosteler frequently complains to the hostel warden that her room is poorly lighted. The best action for the hostel warden to follow is to

- (a) Ignore the complaints because they come from a habitual crank.
 (b) Inform the worker that illumination is a fixed item built into the building originally and evidently is the result of faulty planning by the architect.
 (c) Request a licensed electrician to install additional ceiling lights.
 (d) Investigate for faulty illumination features in the room, such as dirty lamp globes and incorrect lamp wattage.

Key: **D**

Itemcode : **PT1451**

Q41 Statement: Should new big Auto mobiles industries be started in Gurgaon?

- : Arguments:
 I. Yes. It will create job opportunities.
 II. No. It will further add to the pollution of the city.

- (a) Only argument I is strong
 (b) Only argument II is strong
 (c) Either I or II is strong
 (d) Neither I nor II is strong

Key: **C**

Itemcode : **PT1452**

Q42 Questions below is based on the following passage:

- : Ross: The profitability of company X, restored to private ownership five years ago, is clear evidence that businesses will

always fare better under private than under public ownership.

Julia: Wrong. A close look at the records shows that X has been profitable since the appointment of a first-class manager, which happened while X was still in the public sector.

Which of the following best describes the weak point in Ross's claim on which Julia's response focuses?

- (a) The evidence Ross cites comes from only a single observed case, that of Company X.
- (b) The profitability of Company X might be only temporary.
- (c) Ross's statement leaves open the possibility that the cause he cites came after the effect he attributes to it.
- (d) None of the above

Key: **C**

Itemcode : **PT1453**

Q43 Questions below is based on the following passage:

: Some archaeologists hypothesized that Irish monks were the first Europeans to reach North America, roughly 100 years before the Vikings. The Irish monks, it is believed, crossed the Atlantic in boats constructed primarily of leather, in order to find isolation and solitude, and some of them might have settled with the Native Americans. Unfortunately, no physical evidence has been found to support this theory.

Which of the following, if true, best supports the hypothesis of these archaeologists, taking into account the paucity of physical evidence?

- (a) Archaeologists now believe that the Vikings went to North America 50 years earlier than what people thought previously.
- (b) Viking longboats were much faster and sturdier than Irish leather-bound boats.
- (c) Leather tends to rot after only a couple of decades.
- (d) Anthropologists have found no evidence of any Irish words or expressions in the languages of modern-day North America.

Key: **C**

Itemcode : **PT1454**

Q44 The question has three statements followed by two conclusions I and II. You have to take the three given statements to be true and then decide which of the given conclusions logically follows from the three given statements, disregarding the commonly known facts.

Statements:

Some waste is white

Some white is water

Some water is waste

Conclusions:

I. Some waste which is white is water

II. Some water is neither waste nor white

Give answer:

- (a) If only conclusion I follows
- (b) If only conclusion II follows
- (c) If either conclusion I or II follows
- (d) If neither conclusion I or II follows

Key: **B**

Itemcode : **PT1455**

Q45 In the question, a part of the sentence has been underlined. From the choices given to you, you are required to choose the one which would best replace the underlined part.

Migrants have been attempting to scale on or break through the perimeter fencing around the terminal to jump aboard lorries bound for the UK.

- (a) attempting to scale on or break through the perimeter fencing
- (b) attempting to scale or break through the perimeter fencing
- (c) attempted to scaled or break in through the perimeter fencing
- (d) attempted to scale up or break in the perimeter fencing

Key: **B**

Itemcode : **PT1456**

Q46 Karan and Arjun run a 100-meter race, where Karan beats Arjun 10 metres. To do a favour to Arjun, starts 10 metres behind the starting line in a second 100 metre race. They both run at their earlier speeds. Which of the following is true in connection with the second race?

- (a) Karan and Arjun reach the finishing line simultaneously.
- (b) Arjun beats Karan by 1 metre
- (c) Arjun beats Karan by 11 metres.
- (d) Karan beats Arjun by 1 metre.

Key: **D**

Itemcode : **PT1457**

Q47 Five sentences are given. Each sentence has a pair of words that are italicized. From the italicized words, select the most appropriate words (1 or 2) to form correct sentences. The sentences are followed by options that indicate the words, which may be selected to correctly complete the set of sentences. From the options given, choose the most appropriate one.

Five sentences are as follows:

- I. The architects spoke of a three-story tower, with bedrooms and a bird-watching *aerie* (1) / *airy* (2) on the third floor.
 II. Gun battles in the capital do not *auger* (1) / *augur* (2) well for the next round of voting.
 III. The unprecedented commotion has certainly *piqued* (1) / *peaked* (2) my interest in the activity going on in the square
 IV. All of the landing party were left behind, the *basis* (1) / *bases* (2) remaining where they touched down.
 V. But immediately perceiving that he had discovered his vision, he *besot* (1) / *besought* (2) them not to disclose it to any one.

- (a) 12122
 (b) 22212
 (c) 11222
 (d) 22122
 Key: **D**

Itemcode : **PT1458**

Q48 Five sentences are given. Each sentence has a pair of words that are italicized. From the italicized words, select the most appropriate words (1 or 2) to form correct sentences. The sentences are followed by options that indicate the words, which may be selected to correctly complete the set of sentences. From the options given, choose the most appropriate one.

The five sentences are as follows:

- I. They have employed skilled craftsmen to *hew* (1) / *hue* (2) the stones to build the wall.
 II. Close friend of Prime Minister John Howard will get the job as Australia's chief *censer* (1) / *ensor* (2) at the expense of a recommended candidate.
 III. The Bhonsla raja forfeited Orissa to the English, who had already occupied it with a flying column, and Berar to the nizam, who gained a fresh addition by every act of *complaisance* (1) / *complacence* (2) to the British government.
 IV. But at first the Roman citizen wore only an iron *cygnet* (1) / *signet* (2) ring, and this continued to be used at marriages.
 V. Finally there is a vertical stone slab *stile* (1) / *style* (2) in the southwest.

- (a) 22112
 (b) 11222
 (c) 12121
 (d) 22211
 Key: **C**

Itemcode : **PT1459**

Q49 A sum of Rs. 427 is to be divided among A, B and C in such a way that 3 times A's share, 4 times B's share and 7 times C's share are all equal. The share of C is

- (a) Rs.84
 (b) Rs.76
 (c) Rs.98
 (d) RS.34
 Key: **A**

Itemcode : **PT1463**

Q50 Given the following table,
 :

Occurrence	Possible Conditions						Phenomenon
	A	B	C	D	E	F	
1	*	—	*	—	*	*	*
2	*	*	—	*	—	*	—
3	—	*	*	—	*	*	*
4	—	*	—	*	*	—	*
5	*	—	*	—	—	*	—
6	—	*	*	*	—	—	—

What cause is suggested by the information in the Table?

- (a) D is a sufficient but not a necessary condition for the phenomenon.
 (b) A is a sufficient and necessary condition for the phenomenon.
 (c) F is a necessary but not a sufficient condition for the phenomenon.
 (d) E is a sufficient and necessary condition for the phenomenon
 Key: **D**

Itemcode : **PT1464**

Q51 The following question presents a related pair of words linked by a colon, four pairs of words follow the linked pair.
 : Choose the pair of words whose relationship is most like the relationship expressed in the original linked pair.
 Cat : Kitten

- (a) Lake : water
 (b) Boy : man
 (c) Hat : scarf
 (d) Horse: foal
 Key: **D**

Itemcode : **PT1465**

Q52 Some people feel that the rise in price of coffee beans last year meant some users switched from drinking coffee to tea.
 : Now tea leaves are in short supply due to rising demand. The prices of coffee beans and tea leaves are now equal.

Which of the following can be safely inferred from the passage?

- (a) Consumption of tea leaves has been high the world over in the past year.
- (b) Consumption of coffee will now start increasing again.
- (c) Surplus stocks of tea have been consumed to some extent in the last year.
- (d) Tea growers made huge profits due to high costs of coffee.

Key: **C**

Itemcode : **PT1466**

Q53 Here are some words translated from an artificial language:

- : gorbflur means fan belt
- pixngorbl means ceiling fan
- arthtusl means tile roof

Based on the above translation, which word could mean "ceiling tile"?

- (a) gorbtlusl
- (b) flurgorbl
- (c) arthflur
- (d) pixnarth

Key: **D**

Itemcode : **PT1467**

Q54 Look carefully for the pattern, and then choose which pair of numbers comes next.

- : 3 5 25 10 12 25 17

- (a) 22 35
- (b) 19 25
- (c) 22 24
- (d) 19 21

Key: **B**

Itemcode : **PT1468**

Q55 Five sentences related to a topic are given below. Four of them can be put together to form a meaningful and coherent short paragraph. Identify the odd one out.

1. This ignores the evidence that major policy shifts over the past two decades have fundamentally altered the economic environment, making neoliberal reform a possible explanation and not a solution for the current mess.
2. They have veered around to the view that the true measure of economic success is the willingness of foreign firms to enter the country and establish a strong presence.
3. Confronted by signs of economic vulnerability, India's economic policy makers are blaming poor performance on inadequate reform.
4. Measures to appease and attract foreign capital are being advocated and announced as a solution to the country's problems.
5. A recent example of such evidence is the just-released preliminary results of the Reserve Bank of India's eighth Survey on Foreign Collaboration in Indian Industry.

- (a) 2
- (b) 3
- (c) 4
- (d) 5

Key: **A**

Itemcode : **PT1469**

Q56 Find odd one out

- : 582, 605, 588, 611, 634, 617, 600

- (a) 634
- (b) 611
- (c) 605
- (d) 600

Key: **A**

Itemcode : **PT1470**

Q57 Answer the question on the basis of the information given below.

- : The question consists of two statements, labeled I and II, which contain certain data. By using these data decide whether the data given is sufficient to answer the question and then indicate one of the following choices as your answer.

A shopkeeper sells two types of items A and B. Which item is costlier?

- I. He makes a% profit on item A and b% profit on item B and a total profit of Rs. 1,000, if their numbers are in the ratio 2 : 3.
- II. He makes a% profit on item A and b% profit on item B and a total profit of Rs. 1,500, if their numbers are in the ratio 3 : 2.

- (a) Statement I alone is sufficient, but statement II alone is not sufficient and vice-versa.
- (b) Either of the statements alone is sufficient.
- (c) Statements I and II together are sufficient.
- (d) Statements I and II together are not sufficient.

Key: **D**

Passage:

Read the following information carefully and answer the questions given below.

A+B means A is the daughter of B.

A-B means A is the husband of B.

A*B means A is the brother of B.

Itemcode : **PT1460**

Q58 If $P+Q-R$, which of the following is true?

:

- (a) R is the mother of P
- (b) R is the sister in law of P
- (c) R is the aunt of P
- (d) None of these

Key: **A**

Itemcode : **PT1461**

Q59 If $P*Q+R$, which of the following is true?

:

- (a) P is the brother of R
- (b) P is the uncle of R
- (c) P is the son of R
- (d) None of these

Key: **C**

Itemcode : **PT1462**

Q60 If $P+Q*R$, which of the following is true?

:

- (a) P is the niece of R
- (b) P is the daughter of P
- (c) P is the cousin of R
- (d) P is the daughter in law of R

Key: **A**



CBRT - 2020 Question Paper Grid

Government of Goa

22 November 2020

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Subjects

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Junior Scale Officer(Prescreening Test)

Passage:

Answer the following questions based on passage:

When talking about overeating, obesity and other conditions arising from affluence and plenty, we may tend to overlook the fact that ours is a country where a large percentage of the population subsists on too little food and hardly gets a square meal a day. Even if meals are available, they lack the essential nutrients such as protein, fats, vitamins and minerals. Millions of Indian children are living in poverty. An estimated three million die every year owing to certain preventable conditions, including malnutrition. Carelessness of parents, unhygienic environment and poor health conditions and malnutrition make children more susceptible to disease. It will shock you to know that a major cause of blindness in India is the lack of vitamin A, which is found in abundance in carrots, leaves of drum stick trees, milk and green leafy vegetables.

Itemcode : PT1531

Q1 : "It will shock you to know that a major cause of blindness in India is the lack of vitamin A, which is found in abundance in carrots, leaves of drum stick trees, milk and green leafy vegetables."
This statement indirectly reveals that a large segment of Indian population lacks

- (a) access to vitamins altogether
- (b) carrots, drumsticks, milk and leafy vegetables contain vitamin A
- (c) affordability to have even ordinary diet containing vitamin A
- (d) interest in eating diet containing Vitamin A

Key: **C**

Itemcode : PT1532

Q2 : Most of the population manages to have meals and yet they

- (a) suffer from blindness
- (b) remain undernourished
- (c) die of starvation
- (d) die of malnutrition

Key: **B**

Itemcode : PT1533

Q3 : Besides parental neglect and lack of clean surroundings, other major cause of disease in children are

- (a) poor health condition and malnutrition
- (b) unhygienic condition and malnutrition
- (c) unhygienic conditions
- (d) carelessness of parents

Key: **A**

Itemcode : PT1534

Q4 : Identify from the options given below, the one which indicates the opposite of poverty and scarcity

- (a) overeating, obesity
- (b) affluence and plenty
- (c) square meal a day
- (d) abundance

Key: **B**

Itemcode : PT1535

Q5 : From the options provided below, find the synonym of "susceptible" as it is used in the above passage

- (a) inclined against
- (b) responsive
- (c) deceptive
- (d) prone

Key: **D**

Passage:

Answer the following questions based on passage:

A rich top-soil, nourished by centuries of village agriculture; one hundred inches of rain each year; a dense forest and plentiful coconut groves; a fresh, pure supply of water, which we drank straight from our wells-these were free and they formed the material resources of our prosperity. The real foundation of our prosperity, though, was the deep and enduring sense of community that enabled us to make the best of those resources. On this foundation, an excellent tradition of craftsmanship had grown up. Generation after generation of potters, carpenters, blacksmiths, goldsmiths, and weavers learned their trades

from their families. They took great pride in the beauty, utility and enduring quality of their work. So, we had all the things we needed-well-crafted, beautiful things that lasted a long time -but we did not do much "consuming".

Itemcode : **PT1536**

Q6 : The true basis of our prosperity according to the above passage was

- (a) rich top-soil, heavy rain, rich crop and fresh water
- (b) centuries of agriculture and free material resources
- (c) an excellent tradition of craftsmanship and home training in trades
- (d) sense of community and best utilization of resources

Key: **D**

Itemcode : **PT1537**

Q7 : The following trait is at variance with other qualities of the community mentioned in the passage

- (a) pride in beauty, utility and enduring quality of work
- (b) failure to be consumers
- (c) tendency to take material resources for granted
- (d) learning the trade from their families

Key: **B**

Itemcode : **PT1538**

Q8 : The term "enduring" is used in the passage more than once. From the options provided below, select the synonym that is unsuitable in both the contexts

- (a) long-lasting
- (b) abiding
- (c) constant
- (d) persisting

Key: **D**

Itemcode : **PT1539**

Q9 : According to the passage, an tradition of craftsmanship could evolve and thrive mainly due to

- (a) the demand for the products
- (b) the products being of good quality
- (c) a deep sense of community
- (d) none of the above

Key: **C**

Itemcode : **PT1540**

Q10 Of the craftsmen mentioned in the passage, blacksmiths deal with

:

- (a) iron
- (b) terracotta
- (c) copper
- (d) wool

Key: **A**

Itemcode : **PT1481**

Q11 The following question presents a related pair of words linked by a colon, four pairs of words follow the linked pair.

: Choose the pair of words whose relationship is most like the relationship expressed in the original linked pair.

Bad : terrible

- (a) Hot : warm
- (b) Funny : hilarious
- (c) Righteous : good
- (d) Young : pretty

Key: **B**

Itemcode : **PT1482**

Q12 HJIK : MONP :: PRQS : ?

:

- (a) UVWX
- (b) UWVX
- (c) UXWV
- (d) UWXV

Key: **B**

Itemcode : **PT1483**

Q13 Here are some words translated from an artificial language.

: aptaose means first baby

eptaose means second baby

lartabuk means chairpark

Which word could mean "babychair"?

- (a) buklarta
- (b) eptaose
- (c) bukose
- (d) oselarta

Key: **D**

Itemcode : **PT1484**

Q14 In a certain code, SIKKIM is written as THLJJL, how is TRAINING written in that code ?
:

- (a) SQBHOHOF
- (b) UQBHOIOF
- (c) UQBHOHOI
- (d) UQBHOHOF

Key: **D**

Itemcode : **PT1485**

Q15 Which word does NOT belong with the others?
:

- (a) aorta
- (b) heart
- (c) liver
- (d) stomach

Key: **A**

Itemcode : **PT1486**

Q16 Find the Odd one out : 8, 27, 64, 100, 125, 216, 343
:

- (a) 27
- (b) 100
- (c) 125
- (d) 343

Key: **B**

Itemcode : **PT1487**

Q17 Look at this series: 36, 34, 30, 28, 24,.... What number should come next?
:

- (a) 22
- (b) 26
- (c) 23
- (d) 20

Key: **A**

Itemcode : **PT1488**

Q18 Look at this series: VII, 10, V, 15, __, 20, I What number should fill the blank?
:

- (a) III
- (b) IV
- (c) IX
- (d) 14

Key: **B**

Itemcode : **PT1489**

Q19 2, 6, 12, 20, 30, 42, 56, ?
:

- (a) 61
- (b) 64
- (c) 72
- (d) None of the above

Key: **C**

Itemcode : **PT1490**

Q20 In this series: 544, 509, 474, 439, What number should come next?
:

- (a) 404
- (b) 414
- (c) 420
- (d) 445

Key: **A**

Itemcode : **PT1491**

Q21 The average between a two digit number and the number obtained by interchanging the digits is 9. What is the difference between the two digits of the number?
:

- (a) 8
- (b) 2
- (c) 5
- (d) Cannot be determined

Key: **D**

Itemcode : **PT1492**

Q22 If the value of x lies between 0 & 1 which of the following is the largest?
:

- (a) x
 (b) x2
 (c) -x
 (d) 1/x
 Key: **D**

Itemcode : **PT1493**

Q23 Average age of students of an adult school is 40 years. 120 new students whose average age is 32 years joined the school. As a result the average age is decreased by 4 years. Find the number of students of the school after joining of the new students:

- (a) 1200
 (b) 120
 (c) 360
 (d) 240
 Key: **D**

Itemcode : **PT1494**

Q24 A three digit number consists of 9,5 and one more number. When these digits are reversed and then subtracted from the original number the answer yielded will be consisting of the same digits arranged yet in a different order. What is the other digit?

- (a) 1
 (b) 2
 (c) 3
 (d) 4
 Key: **D**

Itemcode : **PT1495**

Q25 A man can row upstream at 8 kmph and downstream at 13 kmph. The speed of the stream is?

- (a) 2.5 kmph
 (b) 4.2 kmph
 (c) 5 kmph
 (d) 10.5 kmph
 Key: **A**

Itemcode : **PT1496**

Q26 12% of 580 + ? = 94

- (a) 24.4
 (b) 34.4
 (c) 54.4
 (d) 65.4
 Key: **A**

Itemcode : **PT1497**

Q27 A man has Rs. 480 in the denominations of one-rupee notes, five-rupee notes and ten-rupee notes. The number of notes of each denomination is equal. What is the total number of notes that he has ?

- (a) 45
 (b) 60
 (c) 75
 (d) 90
 Key: **D**

Itemcode : **PT1498**

Q28 Consider the addition below; each letter represents a different digit.

$$\begin{array}{r}
 \text{X X X} \\
 \text{M M M} \\
 + \text{Q Q Q} \\
 \hline
 \text{F G H I}
 \end{array}
 \qquad
 \begin{array}{r}
 \text{X X X} \\
 \text{N N N} \\
 + \text{C C C} \\
 \hline
 \text{F G H I}
 \end{array}$$

Which digit does X represent?

- (a) 8
 (b) 7
 (c) 6
 (d) Multiple choices possible
 Key: **A**

Itemcode : **PT1499**

Q29 The Philadelphia Eagles are given 7 to 5 odds of winning the NFC championship. The New England Patriots are given 3 to 2 odds of winning the AFC championship. Therefore, the Eagles and the Patriots will meet in the Super Bowl. The conclusion follows with a probability of:

- (a) .35
 (b) .37
 (c) .38
 (d) .40
 Key: **A**

Itemcode : **PT1500**

Q30 If all the digits of the number 47623951, are arranged in ascending order from left to right, then 2 is added to the first four digits of the number and 2 is subtracted to the last four digits of the number. Then how many digits are repeating in the number thus formed?

- (a) One
- (b) Two
- (c) Three
- (d) None of the above

Key: **C**Itemcode : **PT1501**

Q31 Ram is brother of Rahul. Sapana is sister of Shyam. Rahul is son of Sapana. How is Ram related to Sapana?

- (a) Father
- (b) Son
- (c) Grandfather
- (d) Grand Son

Key: **C**Itemcode : **PT1502**

Q32 "Take my son, Martyn. He's been eating fish and chips his whole life, and he just had a cholesterol test, and his level is below the national average. What better proof could there be than a fryer's son?" (Bedder, 1993). This is an example for:

- (a) Post hoc ergo propter hoc
- (b) Hasty generalization
- (c) Slippery slope
- (d) False cause

Key: **B**Itemcode : **PT1503**

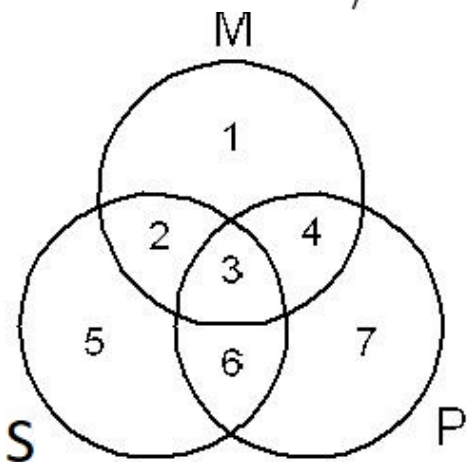
Q33 Each question has a text followed by four alternate summaries. Choose the option that best captures the essence of the text.

Actor and singer Jane Birkin is now satisfied with how luxury group Herm's treats crocodiles and has dropped her request to have her name removed from its handbags, the French company has said. Herm's said on Friday it had identified an "isolated irregularity" in the slaughter process at a crocodile farm in Texas and had warned the farm it would cease any relations should it continue to neglect its recommended procedures.

- (a) Jane Birkin is not in the favour of killing crocodiles for creating consumer products.
- (b) Jane Birkin does not support unnecessary cruelty to crocodiles and Herm's values its association with Birkin more than its relations with the raw material suppliers.
- (c) Herm's is not concerned about crocodiles but is concerned about its association with Jane Birkin.
- (d) Certain vendors of Herm's tend to overlook the procedures recommended by the brand.

Key: **B**Itemcode : **PT1504**

Q34 If the given information is true then what needs to be added to infer a true conclusion from the Venn diagram with three classes- SPM? $1 = 0, 3 \neq 0$.



- (a) $7 = 0$
- (b) $6 = 0$
- (c) $5 = 0$
- (d) $2 = 0$

Key: **D**Itemcode : **PT1505**

Q35 Alert villagers nabbed a group of bandits armed with murderous weapons. Courses of action:

- I. The villagers should be provided sophisticated weapons.
- II. The villagers should be rewarded for their courage and unity.

- (a) If only I follows
- (b) If only II follows
- (c) If either I or II follows

(d) If neither I nor II follows
Key: **B**

Itemcode : **PT1506**

Q36 Which one of the following will be definitely true if the expression
:
 $F=A < L \leq C > O \geq N; Y>L; Q>C'$ is definitely true?

- (a) $Q \geq N$
(b) $F=Y$
(c) $Q>F$
(d) $Y \leq N$
Key: **C**

Itemcode : **PT1507**

Q37 Below in each question are given two statements (A) and (B).

: These statements may be either independent causes or may be effects of independent causes or a common cause. One of these statements may be the effect of the other statement. Read both the statements and then decide which of the following answer choices correctly depicts the relationship between these two statements.

- A. There has been mass recruitment of IT professionals by Indian IT companies.
B. Many developed countries are increasingly outsourcing IT-related functions to India and China.

- (a) If statement A is the cause and statement B is its effect.
(b) If statement B is the cause and statement A is its effect.
(c) If both statements A & B are independent causes.
(d) If both statements A & B are effects of independent causes.
Key: **B**

Itemcode : **PT1508**

Q38 The question given below has two statements and two conclusions. Assuming the statements to be true, check which
: conclusions logically follow and mark the appropriate choice.
Statement 1: Some tents are pegs.
Statement 2: Some pegs are hats.
Conclusion 1: Some tents are hats.
Conclusion 2: Some pegs are not tents.

- (a) Only Conclusion 1 follows
(b) Only Conclusion 2 follows
(c) Both Conclusion 1 and Conclusion 2 follows
(d) Neither Conclusions follow
Key: **D**

Itemcode : **PT1509**

Q39 The given statement is logically equivalent to:

: 'X wins the election if and only if Y votes.'
i. If X wins the election then Y votes and if Y votes then X wins the election.
ii. Either X wins the election and Y votes or X does not win the election and Y does not vote.
iii. If X wins the election then Y votes.
iv. Either X does not win the election or Y votes.

- (a) Only i and ii are correct.
(b) Only iii and iv are correct.
(c) Only i is correct
(d) Only i and iv are correct.
Key: **A**

Itemcode : **PT1510**

Q40 If the given statement 'All non-A are non-B' is false, then which of the following converted statement is correct?
:

- (a) All non-B are non-A is false
(b) All B are A is false
(c) No Non-A are non-B is true
(d) All non-B are non-A is undetermined.
Key: **D**

Itemcode : **PT1511**

Q41 The neighbourhood block association has received many complaints about people knocking on doors and soliciting
: money for an unknown charity organization even though door-to-door solicitation is prohibited by local laws. Three residents have provided descriptions of individuals who have come to their door asking for money.

Solicitor #1 is a white male, 20-25 years old, 5'9", and 145 pounds, with very short brown hair. He was wearing a dark blue suit and carrying a brown leather briefcase.

Solicitor #2 is a white male, 25-30 years old, 6'2", and 200 pounds, with a shaved-head. He was wearing a red T-shirt and jeans.

Solicitor #3 is a white male, approximately 23 years old, 5'10", and slight build, with short brown hair. He was wearing a blue suit. Three days after the block association meeting, a resident noticed a man knocking on doors in the neighborhood and phoned the police to report the illegal activity. This solicitor was described as follows:

Solicitor #4 is a white male, 22 years old, 140 pounds, about 5'10", with short brown hair. He was carrying a briefcase and wearing a dark suit.

Based on this description, which of the three solicitations was also likely carried out by Solicitor #4?

- (a) #1, #2, and #3
(b) #1, but not #2 and #3

- (c) #1 and #3, but not #2
 (d) #1 and #2, but not #3
 Key: **C**

Itemcode : **PT1512**

Q42 Statement: Should china engage into a dialogue with neighbouring countries to stop cross border tension?

:

Arguments:

I. Yes. This is the only way to reduce the crossborder terrorism and stop loss of innocent lives.

II. No. Neighbouring countries cannot be relied upon in such matters, they may still engage in subversive activities.

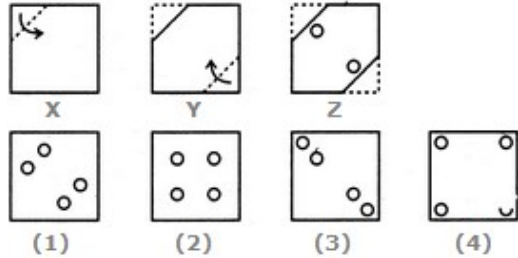
- (a) Only argument I is strong
 (b) Only argument II is strong
 (c) Either I or II is strong
 (d) Neither I nor II is strong

Key: **A**

Itemcode : **PT1513**

Q43 Each of the following questions consists of a set of three figures X, Y and Z showing a sequence of folding of a piece of paper. Figure (Z) shows the manner in which the folded paper has been cut. These three figures are followed by four answer figures from which you have to choose a figure which would most closely resemble the unfolded form of figure (Z).

Choose a figure which would most closely resemble the unfolded form of Figure (Z).



- (a) 1
 (b) 2
 (c) 3
 (d) 4

Key: **C**

Itemcode : **PT1514**

Q44 The incidence of a serious tropical disease, carried by contaminated water, has decreased in the last five years.

: Government officials claim that credit is due to a national program of vaccination begun 5 years ago.

Which of the following, if true, would most seriously weaken the government official's explanation for the decrease in the incidence of the disease?

- (a) The vaccination program has not yet successfully reached the majority of the country's people.
 (b) Doctors believe that a new and more widespread outbreak of the disease is imminent.
 (c) Advances in medical science mean that within a few years the disease will be entirely eliminated.
 (d) In the last five years local governments within the country have improved the water supply in many areas, making it safe to drink.

Key: **D**

Itemcode : **PT1515**

Q45 Each of the questions has a paragraph from which the last sentence has been deleted. From the given options, choose the sentence that completes the paragraph in the most appropriate way.

Surowiecki offers a multitude of examples that demonstrate how crowds have made eerily accurate predictions. He points to the aftermath of the space shuttle Challenger disaster, for instance. The stock market immediately began to punish one of the four main shuttle contractors more harshly than the others. Six months later, it turned out that company was responsible for the disastrously defective O-rings.

- (a) The reason it's so hard to beat the point spread in a sports bet is because you're playing against the hordes and the hordes know all.
 (b) There are certain rules for optimum crowd success.
 (c) The smartest crowds are diverse.
 (d) A group is better at guessing the number of jelly beans in a jar than any one individual.

Key: **D**

Itemcode : **PT1516**

Q46 Read the given argument and answer the question that follows.

:

Argument: During the Adult Literacy program run by a UN based NGO, all candidates for diploma course in Applied Sciences who entered the program after the year 2000 had to take a compulsory seminar on Physics In Everyday Life, and all candidates for diploma course in Applied Sciences who entered the program after the year 2004 had to take a compulsory seminar on Applied Economics.

Question: If a candidate of the Literacy Program who has applied for a diploma course in Applied Sciences had to take a seminar on Physics in Everyday Life but did not have to take a seminar on Applied Economics, which of the following must be true?

- (a) The candidate entered the Literacy program prior to 2005.
 (b) The candidate entered the Literacy program after 2000 and prior to 2005.
 (c) If the candidate is from a diploma course in Applied Sciences, then the candidate entered the program prior to 2005.

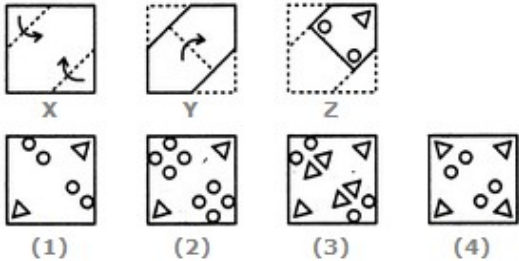
(d) If the candidate is from a diploma course in Applied Sciences, then the candidate entered the program prior to 2000.

Key: **C**

Itemcode : **PT1517**

Q47 Each of the following questions consists of a set of three figures X, Y and Z showing a sequence of folding of a piece of paper. Figure (Z) shows the manner in which the folded paper has been cut. These three figures are followed by four answer figures from which you have to choose a figure which would most closely resemble the unfolded form of figure (Z).

Choose a figure which would most closely resemble the unfolded form of Figure(Z).



- (a) 1
(b) 2
(c) 3
(d) 4

Key: **B**

Itemcode : **PT1518**

Q48 Arrange the following in proper manner.

- : A. Miss Sullivan arrived at the Keller home when Helen was seven.
B. The deaf and blind Helen learned to communicate verbally.
C. But, eventually, Miss Sullivan's effort was rewarded.
D. Before Helen Keller was two years old, she lost her sight and her hearing.
E. Miss Sullivan worked closely with Helen, her new student.
F. At times the teacher became frustrated.

- (a) DEFACB
(b) DAEFCB
(c) ACFDEB
(d) CFDABE

Key: **B**

Itemcode : **PT1519**

Q49 Answer the questions on the basis of the information given below.

: Six married couples, each of which comprises a male and a female, went for dinner. The male members of the couples are Rajat, Jackie, Kunal, Atif, Milkha and Montu, and the six female members are Komal, Annie, Bhumi, Shilpa, Richa and Farida. Husbands wanted to have drinks along with dinner, due to which their wives decided to sit separately for dinner. All the men sat around a circular table and all the ladies sat around a rectangular table, two ladies sitting along each of the longer sides and one along each of the shorter sides of the table. Further information about their seating arrangement is given below:

- (1) For any two men who were sitting together, their wives were not sitting adjacent to each other.
(2) For exactly one couple, the first letter of husband's and wife's name is the same.
(3) Jackie was second to the right of Kunal and the same is true for Jackie's wife Bhumi and Kunal's wife in the same order.
(4) Annie was not sitting opposite to Richa. Milkha was sitting opposite Richa's husband. (5) Atif was sitting second to the right of Montu, and their wives, one of whom was sitting opposite Bhumi and other opposite Annie, were sitting adjacent to each other.
(6) Komal and Farida were sitting on the shorter sides of the table.

Who was sitting opposite Kunal?

- (a) Atif
(b) Montu
(c) Rajat
(d) Mlikha

Key: **A**

Itemcode : **PT1520**

Q50 Answer the questions on the basis of the information given below.

: Six married couples, each of which comprises a male and a female, went for dinner. The male members of the couples are Rajat, Jackie, Kunal, Atif, Milkha and Montu, and the six female members are Komal, Annie, Bhumi, Shilpa, Richa and Farida. Husbands wanted to have drinks along with dinner, due to which their wives decided to sit separately for dinner. All the men sat around a circular table and all the ladies sat around a rectangular table, two ladies sitting along each of the longer sides and one along each of the shorter sides of the table. Further information about their seating arrangement is given below:

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(4) Annie was not sitting opposite to Richa. Milkha was sitting opposite Richa's husband. (5) Atif was sitting second to the right of Montu, and their wives, one of whom was sitting opposite Bhumi and other opposite Annie, were sitting adjacent to each other.
(6) Komal and Farida were sitting on the shorter sides of the table.

Who is Farida's husband?

- (a) Kunal
 (b) Milkha
 (c) Rajat
 (d) Atif
 Key: **C**

Itemcode : **PT1521**

Q51 Look carefully for the pattern, and then choose which pair of numbers comes next.
 : 2 4 14 24 48 58 68 136

- (a) 146 156
 (b) 136 146
 (c) 146 292
 (d) 136 272
 Key: **A**

Itemcode : **PT1522**

Q52 Mary needs snacks for all of the students going on the field trip. She bought 9 boxes of granola bars containing a total of 88 bars. She wanted variety, so she purchased three different flavours. The almond chunky granola bars were packed 8 to a box, the chewy chocolate chip bars came 10 to a box, and the raisin nut package containing 12 per box. She bought the most boxes of almond chunky but had the most raisin nut bars. How many boxes of each flavour did she buy?

- (a) 2 box - almond chunky
 4 box - chewy chocolate chip
 3 box - raisin nut granola bar
 (b) 4 box - almond chunky
 3 box - chewy chocolate chip
 2 box - raisin nut granola bar
 (c) 3 box - almond chunky
 2 box - chewy chocolate chip
 4 box - raisin nut granola bars
 (d) 4 box - almond chunky
 2 box - chewy chocolate chip
 3 box - raisin nut granola bars

Key: **D**

Itemcode : **PT1523**

Q53 Ailment: Fit : : Privilege : ?
 :

- (a) Slavery
 (b) Pleasure
 (c) Plight
 (d) Beauty
 Key: **A**

Itemcode : **PT1524**

Q54 Five sentences related to a topic are given below. Four of them can be put together to form a meaningful and coherent short paragraph. Identify the odd one out.

1. Nostalgia and wonder are the two emotions that dominate visitors' minds when they view the quaint collection of artworks harking back to an idyllic Bangalore, in Fernandes' small gallery, aPaulogy.
2. Thus nostalgia works at several levels, and as humans think that the condition of their lives is improving as they head into the future, a part of their mind also harks back to a supposedly simpler time when life was more peaceful.
3. Nostalgia can exist only when there is a linear conception of time and modernity, with its notion of progress, is deeply intertwined with the concept of nostalgia.
4. And Fernandes' work satiates that hunger for nostalgia an old Bangalorean would have.
5. At the same time, his work provokes wonder among teenagers and people in their twenties who marvel at the fun lives that their parents' and grandparents' generations led.

- (a) 4
 (b) 1
 (c) 3
 (d) 5
 Key: **B**

Itemcode : **PT1525**

Q55 Decisions about handcuffing or restraining inmates are often up to the corrections officers involved. An officer is legally responsible for exercising good judgment and for taking necessary precautions to prevent harm both to the inmate involved and to others. In which one of the following situations is handcuffing or other physical restraint most likely to be needed?

- (a) An inmate seems to have lost control of his senses and is banging his fists repeatedly against the bars of his cell.
 (b) During the past two weeks, an inmate has deliberately tried to start three fights with other inmates.
 (c) An inmate claims to be sick and refuses to leave his cell for a scheduled meal.

(d) During the night, an inmate begins to shout and sing, disturbing the sleep of other inmates.

Key: **A**

Itemcode : **PT1526**

Q56 The government has made great strides in implementing immunization in public school systems despite its cost. When all children are properly immunized, we will be able to ensure their health. Which of the following identifies an assumption in the author's argument?

- (a) Children are not already properly immunized.
- (b) If not immunized, most children will fall victim to disease.
- (c) Immunization is effective enough to justify its cost to the taxpayer.
- (d) Immunization is the only precaution necessary to guarantee a child's health.

Key: **D**

Itemcode : **PT1527**

Q57 This editorial cannot be a good argument because it is barely literate. Run-on sentences, slang, and perfectly dreadful grammar appear regularly throughout. Anything that poorly written cannot be making very much sense. Which of the following identifies an assumption in the argument above?

- (a) This editorial was written by someone other than the usual editor.
- (b) Generally speaking, very few editorials are poor in style or grammar.
- (c) The language of an argument is indicative of its validity.
- (d) Generally speaking, the majority of editorials are poor in style and grammar.

Key: **C**

Itemcode : **PT1528**

Q58 In a certain code language, 'col tip mot' means 'singing is appreciable' ; 'mot baj min' means 'dancing is good' and 'tip nop baj' means 'singing and dancing' , which of the following means 'good' in that code language?

- (a) Mot
- (b) baj
- (c) min
- (d) cannot be determined

Key: **C**

Itemcode : **PT1529**

Q59 Pooja is older than Mukesh.
: II. Suresh is older than Pooja.
III. Mukesh is older than Suresh.
If the first two statements are true, the third statement is

- (a) False
- (b) True
- (c) Uncertain
- (d) None of these

Key: **A**

Itemcode : **PT1530**

Q60 In each the following question, there is a relationship between two given words on one side of : : and one word is given on another side of : : while another word is to be found from the given alternatives, having the same relation with this word as the words in the given pair bear. Choose the correct alternative.
Dungeon: Confinement :: Asylum : ?

- (a) Refuge
- (b) Mercy
- (c) Truancy
- (d) Remorse

Key: **A**



CBRT - 2020 Question Paper Grid

Government of Goa

22 November 2020

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Subjects	Junior Scale Officer(Prescreening Test) ▼
Display	With Answer Key ▼
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Junior Scale Officer(Prescreening Test)

Passage:

The world has come around to the view that democracy is essential for full human development. And only education and skill development can make this possible. Democracy cannot be sustained unless the electorate is well informed, chooses its leadership wisely, and this leadership is intellectually empowered by a multi-dimensional intelligence. The world view of economic development has completely changed: it is no longer believed to be driven by human labor, as Karl Marx said, or by capital, as Alfred Marshall stated, but is knowledge-driven. For application of knowledge, innovations are required, and for more original research, we need many more young minds at the frontier. Knowledge is gender neutral, and hence the 21st century offers a great opportunity to level the gender inequity of the last thousand years in India. The youth require a mental faculty endowed with multi-dimensional intelligence. It is not adequate to foster cognitive intelligence alone - as is being done in India's educational campuses today - but to also develop the other dimensions of intelligence: emotional, social, moral, spiritual, environmental, and innovational. India's vast youth population is its demographic potential dividend, but only if equipped and enabled with this seven-dimensional intelligence. The nation must, therefore, structure a national education policy for the youth so that the seven dimensions of intelligence can be manifested in every young man and woman. Only then will the demographic dividend not be wasted. These seven dimensions constitute the ability of a person to live a productive life and for the national good. Hence, a policy for India's youth has to be structured within the implied parameters of these dimensions. The first parameter of such a policy is ability empowerment - the development of the seven types of intelligence. The second is a collective mindset about the legacy and future of the nation, which means knowing the correct de-falsified history of India. The third is the commitment to a social contract of rights and obligations such as a fundamental right to quality primary and secondary education, right to work, an obligation to compete for most positions of employment on merit, practice gender equality and place national interests above selfish interests. A national education policy is, therefore, a framework for the comprehensive growth of the nation's young population, to enable them to be positioned in life for personal advancement as well as contribute to national greatness. India, however, lacks today a properly structured policy for development of its youth. As a result, many young people are led astray by drugs and crime.

Itemcode : PT1591

Q1 : According to the passage, democracy cannot be sustained in a country without:

- (a) Economic Development
- (b) Education and Skill Development
- (c) Rural and Urban Development
- (d) Technological Development

Key: **B**

Itemcode : PT1592

Q2 : An empowered intellectual leadership involve:

- (a) Logical Intelligence
- (b) Interpersonal Intelligence
- (c) Multi Dimensional Intelligence
- (d) Intra-personal Intelligence

Key: **C**

Itemcode : PT1593

Q3 : According to the passage, in a country economic development is driven by:

- (a) Human Labor
- (b) Capital
- (c) Infrastructure
- (d) Knowledge and Innovations

Key: **D**

Itemcode : PT1594

Q4 : The youth of India is being taught to learn which of these dimensions of intelligence?
A. Emotional and Social B. Social and Moral C. Spiritual D. Environmental and Innovational

- (a) Only A and B
- (b) Only B and C
- (c) Only C and D
- (d) All of the above

Key: **D**

Itemcode : PT1595

Q5 : The 21st century education system believes in imparting knowledge:

- (a) In a gender biased way.
- (b) In a gender neutral manner.

- (c) On the basis of sex discrimination.
 (d) On the preferences based on genders.
 Key: **B**

Passage:

The NDA government's Black Money Act may have so far managed to scoop up just the surface of the potentially retrievable unaccounted income. But the rhythm to unearth more illegal income seems to have been set. The CBI searches in State-run Bank of Baroda branches for 6,100-crore suspected black money transfer is perhaps the first major and concrete action against the 'black sheep' in years. Hopefully, the investigating agency and the special investigation team on black money will take this forward. The one-time compliance window for the declaration of foreign assets and income under the Black Money Act, which closed on September 30, saw just 638 declarations aggregating to 3,770 crore. Union Finance Minister Arun Jaitley was quick to warn those who did not declare unaccounted income to face the "consequences." The CBI raid comes just a few days after Jaitley's warning and if his categorical statement that bulk of the black money is within India is anything to go by, more such raids can be expected.

The Act is one of the crucial components of economic reforms announced last year and there's an urgent need to step up efforts to retrieve stashed income, both within the country and abroad. With investor appetite losing sheen, economic growth slowing down and with India moving nowhere as far as its ease of doing business rank is concerned, the government is in a tight spot to act and now. Stringent norms on undisclosed income imply the country is not a 'safe haven' and will strengthen the moral fiber of our society. Importantly, income recovered from such sources is crucial for the government to steer its social programmes and fund public expenditure at a time when the country's direct and indirect tax collections are below target. The Act can also be used to clean up the mess broiling at our public sector banks that are reeling under severe stressed assets and low recoveries.

Traditionally, stock markets too are often used to circulate black money. Be it via Participatory Notes, which allow investors to invest without having to register themselves, or channeling funds through tax havens like Mauritius or Singapore. While continuing to crack the whip on banks to trace the illicit money flow, the government should also focus on the markets.

Itemcode : PT1596

Q6 : According to the passage the Black Money Act is for:

- (a) Financing the black money
 (b) Retrieving the black money
 (c) Saving the black money
 (d) Covering the black money

Key: **B**

Itemcode : PT1597

Q7 : Which compliance rule helped in unearthing the black money?

- (a) Declaration of expenditure
 (b) Declaration of income
 (c) Declaration of assets
 (d) Declaration of foreign assets and income

Key: **D**

Itemcode : PT1598

Q8 : According to the passage, the Black Money Act is an important part of:

- (a) Infrastructure Development
 (b) Technological Development
 (c) Inflation Control
 (d) Economic Reforms

Key: **D**

Itemcode : PT1599

Q9 : According to the passage, which one of the following is the consequence of increasing black money in India?

- (a) Higher economic growth
 (b) Slower economic growth
 (c) Increase in investments
 (d) International players opening new business in India

Key: **B**

Itemcode : PT1600

Q10 According to the passage, the fund collected through Black Money Act can be used for?

:

- (a) Fund Public Expenditure
 (b) Fund Private Expenditure
 (c) Fund Public Income
 (d) Fund Private Income

Key: **A**

Itemcode : PT1541

Q11 The following question presents a related pair of words linked by a colon, four pairs of words follow the linked pair.

: Choose the pair of words whose relationship is most like the relationship expressed in the original linked pair.
 Spanner : tool

- (a) Writing instrument : pen
 (b) Clean : chalk
 (c) Hibiscus : flower
 (d) Exam : torture

Key: **C**

Itemcode : PT1542

Q12 Chug : Train : : Bang : ?

:

- (a) House
- (b) Animal
- (c) Door
- (d) Man

Key: **C**

Itemcode : **PT1543**

Q13 Here are some words translated from an artificial language.

: laftafobi means advisement
emolafta means misadvise
emomkthi means misconduct
Which word could mean "statement"?

- (a) kratafobi
- (b) kratadafta
- (c) loktifoni
- (d) daftaimo

Key: **A**

Itemcode : **PT1544**

Q14 If TAP is coded as SZO, then how is FREEZE coded ?

:

- (a) ATSSTS
- (b) EQDDYD
- (c) ESDDYD
- (d) EQDDZD

Key: **B**

Itemcode : **PT1545**

Q15 Which word does NOT belong with the others?

:

- (a) Nostril
- (b) Pharynx
- (c) Nasal cavity
- (d) Smell

Key: **D**

Itemcode : **PT1546**

Q16 Find the odd one out: 3, 5, 11, 14, 17, 21

:

- (a) 21
- (b) 17
- (c) 14
- (d) 3

Key: **C**

Itemcode : **PT1547**

Q17 Look at this series: 7, 10, 8, 11, 9, 12, ... What number should come next?

:

- (a) 7
- (b) 12
- (c) 10
- (d) 13

Key: **C**

Itemcode : **PT1548**

Q18 Look at this series: G34, I29, __, M19, O14, What number should fill the blank?

:

- (a) K24
- (b) L27
- (c) N17
- (d) J26

Key: **A**

Itemcode : **PT1549**

Q19 1, 7, 3, 9, 6, 12, 10, 16, 15, ?

:

- (a) 21
- (b) 22
- (c) 23
- (d) None of the above

Key: **A**

Itemcode : **PT1550**

Q20 Look carefully for the pattern, and then choose which pair of numbers comes next.

: 48 46 44 41 39 37 34

- (a) 31 29
 (b) 33 31
 (c) 32 30
 (d) 32 29
 Key: **C**

Itemcode : **PT1551**

Q21 Pipe A can fill in 20 minutes and Pipe B in 30 mins and Pipe C can empty the same in 40 mins.If all of them work together, find the time taken to fill the tank

- (a) 17 $\frac{1}{7}$ mins
 (b) 20 mins
 (c) 8 mins
 (d) none of these
 Key: **A**

Itemcode : **PT1552**

Q22 Thirty men take 20 days to complete a job working 9 hours a day. How many hour a day should 40 men work to complete the job?

- (a) 8 hrs
 (b) 7 $\frac{1}{2}$ hrs
 (c) 7 hrs
 (d) 9 hrs
 Key: **B**

Itemcode : **PT1553**

Q23 On sports day,if 30 children were made to stand in a column,16 columns could be formed. If 24 children were made to stand in a column , how many columns could be formed?

- (a) 48
 (b) 20
 (c) 30
 (d) 16
 Key: **B**

Itemcode : **PT1554**

Q24 A piece of cloth cost Rs 35. if the length of the piece would have been 4m longer and each meter cost Re 1 less , the cost would have remained unchanged. how long is the piece?

- (a) 10
 (b) 11
 (c) 12
 (d) 13
 Key: **A**

Itemcode : **PT1555**

Q25 There are 3 societies A, B, C. A lent cars to B and C as many as they had Already. After some time B gave as many tractors to A and C as many as they have. After sometime c did the same thing. At the end of this transaction each one of them had 24. Find the cars each originally had.

- (a) A had 21 cars, B had 39 cars & C had 12 cars
 (b) A had 39 cars, B had 39 cars & C had 12 cars
 (c) A had 39 cars, B had 21 cars & C had 19 cars
 (d) A had 39 cars, B had 21 cars & C had 12 cars
 Key: **D**

Itemcode : **PT1556**

Q26 Which of the following numbers should be added to 11158 to make it exactly divisible by 77?

- (a) 9
 (b) 8
 (c) 7
 (d) 5
 Key: **C**

Itemcode : **PT1557**

Q27 What is the product of all the numbers in the dial of a telephone ?

- (a) 1,58,480
 (b) 1,59,450
 (c) 0.00
 (d) None of these
 Key: **C**

Itemcode : **PT1558**

Q28 In the multiplication below, each letter represents a different digit.

$$\begin{array}{r}
 \\
 \\
 \\
 \hline
 \\
 \\
 \hline

 \end{array}$$

Which digit does D represent?

- (a) 4
 (b) 3
 (c) 1
 (d) 2

Key: **D**

Itemcode : **PT1559**

Q29 What is the probability of drawing two aces from a poker deck in two draws, if the first card is not replaced before the second is drawn?

- (a) 045
 (b) .0045
 (c) .45
 (d) None of the above

Key: **B**

Itemcode : **PT1560**

Q30 Study the following numbers carefully and answer the question given below:

: 563 218 732 491 924

Refer the above for the Question 8

If the first two digits of each number are interchanged then the numbers are arranged in increasing order from left to right then which of the following numbers in the newly formed sequence will be second from right end?

- (a) 653
 (b) 218
 (c) 732
 (d) None of the above

Key: **A**

Itemcode : **PT1561**

Q31 A is the son of B, C. B's sister has a son D and a daughter E. F is the maternal uncle of D. How many nephews does F have?

- (a) 1
 (b) 2
 (c) 3
 (d) 0

Key: **B**

Itemcode : **PT1562**

Q32 Raju: Donald Bradman was the greatest batsman in the history of cricket. He has the highest runs per innings average of any player.

Sita: No. Alan Border deserves that title. He has score more runs than any other test cricket player.

This is:

- (a) A genuine disagreement.
 (b) A merely verbal disagreement.
 (c) Apparently verbal but really genuine.
 (d) None of the above

Key: **C**

Itemcode : **PT1563**

Q33 Each question has a text followed by four alternate summaries. Choose the option that best captures the essence of the text.

Nestle has failed in an attempt to convince European judges to let it trademark the shape of the four-finger version of a KitKat in the UK. The European court of justice ruled that the KitKat's shape was not distinctive enough for consumers to associate it with the chocolate covered wafer. Nestle is not seeking to trademark its two-fingered version of KitKat.

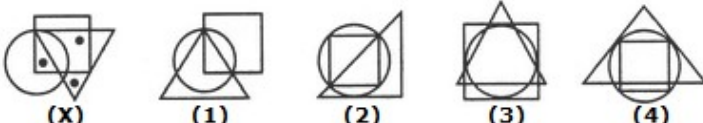
- (a) Nestle, in its attempt to trademark a particular version of its chocolate has not succeeded yet, due to lack of unique features as a chocolate covered wafer.
 (b) Nestle filed a baseless case in the European court.
 (c) Nestle believes that its four-finger version is distinctive enough to be trademarked.
 (d) KitKat's four-finger version is not distinctive enough to be trademarked.

Key: **A**

Itemcode : **PT1564**

Q34 Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.

:



- (a) 1
 (b) 2
 (c) 3
 (d) 4
 Key: **C**

Itemcode : **PT1565**

Q35 10 coaches of a passenger train have got derailed and have blocked the railway track from both ends. Courses of action:

- I. The railway authorities should immediately send men and equipment and clear the spot
 II. All the trains running in both directions should be diverted immediately via other routes.

- (a) If only I follows
 (b) If only II follows
 (c) If both I and II follow
 (d) If neither I nor II follows
 Key: **C**

Itemcode : **PT1566**

Q36 Which one of the following will be definitely true if the expression ' $D = C \geq A > B \geq F < G = E \leq H$ ' is definitely true?

- (a) $F \leq H$
 (b) $D > F$
 (c) $A = G$
 (d) $D \geq B$
 Key: **B**

Itemcode : **PT1567**

Q37 Below in each question are given two statements (A) and (B).

These statements may be either independent causes or may be effects of independent causes or a common cause. One of these statements may be the effect of the other statement. Read both the statements and then decide which of the following answer choices correctly depicts the relationship between these two statements.

- A. Many farmers have given up jute cultivation as it is no longer economically viable.
 B. The textile ministry has proposed a hike in the Minimum Support Price of jute.

- (a) If statement A is the cause and statement B is its effect.
 (b) If statement B is the cause and statement A is its effect.
 (c) If both statements A & B are independent causes.
 (d) If both statements A & B are effects of independent causes.
 Key: **A**

Itemcode : **PT1568**

Q38 The question given below has two statements and two conclusions. Assuming the statements to be true, check which conclusions logically follow and mark the appropriate choice.

- Statement 1: Some eggs are turnips.
 Statement 2: No quinoa is a egg.
 Conclusion 1: No quinoa is a turnip.
 Conclusion 2: Some turnips are not quinoa.

- (a) Only Conclusion 1 follows
 (b) Only Conclusion 2 follows
 (c) Both Conclusion 1 and Conclusion 2 follows
 (d) Neither Conclusions follow
 Key: **B**

Itemcode : **PT1569**

Q39 The statement which is logically equivalent to the given statement is:

If anything that leads to the death of a patient is against human life then both active and passive euthanasia are wrong.

- (a) Neither anything that leads to the death of a patient is against human life nor both active and passive euthanasia are wrong.
 (b) If it is not the case that both active and passive euthanasia are wrong then it is not the case that anything that leads to the death of a patient is against human life.
 (c) If both active and passive euthanasia are wrong then anything that leads to the death of a patient is against human life.
 (d) Anything that leads to the death of a patient is against human life and it is not the case that both active and passive euthanasia are wrong.
 Key: **B**

Itemcode : **PT1570**

Q40 Which of the following is true about the electric force, as per this passage?

- I. The electric force is the strongest of the four main physical forces.
 II. The electric force of repulsion between two protons is 1036 times stronger than the strength of the attraction between the same two protons.
 III. Atoms and molecules are held together by the forces of electric attraction.

- (a) Only II
 (b) Only III
 (c) I and II
 (d) I and III
 Key: **B**

Itemcode : PT1571

Q41 The school principal has received complaints from parents about bullying in the school yard during recess. He wants to investigate and end this situation as soon as possible, so he has asked the recess aides to watch closely. Which situation should the recess aides report to the principal?

- (a) A girl is sitting glumly on a bench reading a book and not interacting with her peers.
- (b) Four girls are surrounding another girl and seem to have possession of her backpack.
- (c) Two boys are playing a one-on-one game of basketball and are arguing over the last basket scored.
- (d) Three boys are huddled over a handheld video game, which isn't supposed to be on school grounds.

Key: **B**

Itemcode : PT1572

Q42 Mark the odd pair:

:

- (a) Nice - Good
- (b) Beautiful - Ugly
- (c) Praise - Blame
- (d) Fat - Thin

Key: **A**

Itemcode : PT1573

Q43 When hypnotized subjects are told that they are deaf and are then asked whether they can hear the hypnotist, they reply, "No". Some theorists try to explain this result by arguing that the selves of hypnotized subjects are dissociated into separate parts, and that the part that is deaf is dissociated from the part that replies. Which of the following challenges indicates the most serious weakness in the attempted explanation described above?

- (a) Why does the part that replies not answer, "Yes"?
- (b) Why are the observed facts in need of any special explanation?
- (c) Why do the subjects appear to accept the hypnotist's suggestion that they are deaf?
- (d) Why do hypnotized subjects all respond the same way in the situation described?

Key: **A**

Itemcode : PT1574

Q44 Answer the question on the basis of the information given below:

: AIFF shortlisted 35 national players, from four zones - North, East, West and South - for a coaching camp. At the national level, each of these participants played at one of the four positions - Midfielder, Striker, Goalkeeper and Defender. The following five facts about the shortlisted players are known:

- i. The number of players from each of North, West and South zones is twice the number of players from East Zone.
- ii. From each of the zones, at least one player and at most four players are shortlisted for each of the four positions.
- iii. The total number of defenders is same as the total number of strikers, which, in turn is thrice the total number of goalkeepers.
- iv. If there had been 3 less midfielders, the total number of midfielders would have been same as the total number of goalkeepers.
- v. The number of strikers shortlisted from West zone is 2.

Which of the following combinations of short listing of players is NOT possible?

- (a) Three defenders from North zone and four midfielders from West zone.
- (b) The number of defenders from each of North and West zones is four.
- (c) The numbers of midfielders from West and South zones are three and one respectively.
- (d) Three midfielders from West zone and four defenders from North Zone.

Key: **A**

Itemcode : PT1575

Q45 Each of the questions has a paragraph from which the last sentence has been deleted. From the given options, choose the sentence that completes the paragraph in the most appropriate way.

: Interestingly, Descartes would agree that experiential resources cannot solve the problem. By the Sixth Meditation, however, Descartes purports to have the innate resources he needs to solve it-namely, the innate ideas of mind and body. Among the metaphysical theses he develops is that mind and body have wholly distinct essences: the essence of thinking substance is pure thought; the essence of body is pure extension. In a remarkable maneuver, Descartes invokes this distinction to refute the skeptical worry that sensations are produced by a subconscious faculty of the mind: "nothing can be in me, that is to say, in my mind, of which I am not aware," and this "follows from the fact that the soul is distinct from the body and that its essence is to think". This result allows Descartes to supplement the involuntariness argument, thereby strengthening the inference from line one to line two.

- (a) What could then be the cause of sensation?
- (b) Descartes thus emerges as a radical thinker supporting the very essence of the philosophy.
- (c) For from the additional premise that nothing can be in my mind of which I am unaware, it follows that if sensation were being produced by activity in my mind, then I'd be aware of that activity on the occasion of its operation.
- (d) The body extends or contracts as per the circumstances and it is a function of matter.

Key: **C**

Itemcode : PT1576

Q46 Argument: Currently most computer-hardware manufacturing companies take away the royalties from their employees' inventions, as their own. However, the employees are privileged to retain the royalties from any papers and articles they write on the subject of computer-hardware structure development. Hence, employees can retain the royalties from the educational computer-hardware structure, if any, that they develop, in the event of doing so while still employed by the company.

Question: Which of the following is an assumption made by the author while concluding the argument?

- (a) Royalties from inventions are higher than royalties from educational computer-hardware structures.

- (b) Employees are more likely to create educational computer-hardware than make inventions.
 (c) Inventions bring more name and repute to companies than do papers and articles.
 (d) In terms of the criteria used to award royalties, educational computer-hardware structure development is more closely comparable to papers and articles than to inventions.

Key: **D**

Itemcode : **PT1577**

- Q47** Find out the statement which is logically equivalent to the given statement:
 : It is not the case that for all x , if x is a student then x is intelligent.

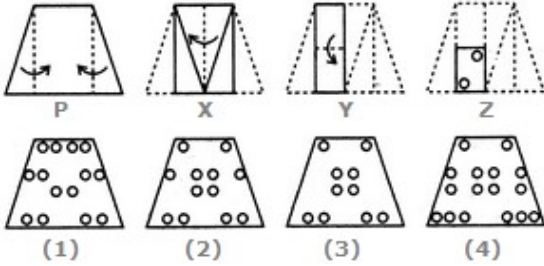
- (a) For some x , x is a student and x is not intelligent.
 (b) For all x , if x is a student then x is not intelligent.
 (c) For some x , x is a student and x is intelligent.
 (d) For all x , either x is not a student or x is intelligent.

Key: **A**

Itemcode : **PT1578**

- Q48** Each of the following questions consists of a set of three figures X, Y and Z showing a sequence of folding of a piece of paper. Figure (Z) shows the manner in which the folded paper has been cut. These three figures are followed by four answer figures from which you have to choose a figure which would most closely resemble the unfolded form of figure (Z).

Choose a figure which would most closely resemble the unfolded form of Figure (Z).



- (a) 4
 (b) 3
 (c) 2
 (d) 1

Key: **B**

Itemcode : **PT1579**

- Q49** Here are some words translated from an artificial language.
 : godabim means kidney stones
 romzbim means kidney beans
 romzbako means wax beans

Which word could mean "wax statue"?

- (a) godaromz
 (b) lazvim
 (c) wasibako
 (d) romzpeo

Key: **C**

Itemcode : **PT1580**

- Q50** Here are some words translated from an artificial language:
 : hapllesh means cloudburst
 srenchoch means pinball
 resbosrench means ninepin
 Based on the above translation, which word could mean "cloud nine"?

- (a) leshsrench
 (b) ochhapl
 (c) haploch
 (d) haplresbo

Key: **D**

Itemcode : **PT1581**

- Q51** Answer the question on the basis of the information given below.
 : The question consists of two statements, labeled I and II, which contain certain data. By using these data decide whether the data given is sufficient to answer the question and then indicate one of the following choices as your answer.

How many books does Gautam have?

- I. Number of books that Gautam has is less than the square root of 100
 II. The number of books that Gautam has is divisible by both 2 and 3.

- (a) Statement I alone is sufficient, but statement II alone is not sufficient and vice-versa.
 (b) Either of the statements alone is sufficient.
 (c) Statements I and II together are sufficient.
 (d) Statements I and II together are not sufficient.

Key: **C**

Itemcode : **PT1582**

- Q52** In a family, there are six members A, B, C, D, E and F. A and B are a married couple, A being the male member. D is the only son of C, who is the brother of A. E is the sister of D. B is the daughter-in-law of F, whose husband has died.

How is F related to C ?

- (a) Mother.
- (b) Sister
- (c) Aunt
- (d) Sister-in-law

Key: **A**

Itemcode : **PT1583**

Q53 Yoga has become a very popular type of exercise, but it may not be for everyone. Before you sign yourself up for a yoga class, you need to examine what it is you want from your fitness routine. If you're looking for a high-energy, fast-paced aerobic workout, a yoga class might not be your best choice. This paragraph best supports the statement that

- (a) yoga is more popular than high-impact aerobics.
- (b) before embarking on a new exercise regimen, you should think about your needs and desires.
- (c) yoga is changing the world of fitness in major ways
- (d) yoga benefits your body and mind

Key: **B**

Itemcode : **PT1584**

Q54 Human technology developed from the first stone tools about two and a half million years ago. At the beginning, the rate of development was slow. Hundreds of thousands of years passed without much change. Today, new technologies are reported daily on television and in newspapers. This paragraph best supports the statement that

- (a) stone tools were not really technology.
- (b) stone tools were in use for two and a half million years
- (c) there is no way to know when stone tools first came into use.
- (d) In today's world, new technologies are constantly being developed

Key: **D**

Itemcode : **PT1588**

Q55 Statements:

- I. All the schools in the area had to be kept closed for most part of the week.
- II. Many parents have withdrawn their children from the local schools.

- (a) Statement II is the cause and statement I is its effect
- (b) Both the statements I and II are independent causes
- (c) Both the statements I and II are effects of independent causes
- (d) Both the statements I and II are effects of some common cause.

Key: **D**

Itemcode : **PT1589**

Q56 In each questions below is given a statement followed by two courses of action numbered (a) and (b).Give answer.

Statement

One of the problems facing food processing industry is the irregular supply of raw material. The producers of raw material are not getting a reasonable price.

Courses of Action

I. The government should regulate the supply of raw material to other industries also.

II. The government should announce an attractive package to insure regular supply of raw material for food processing industry.

- (a) if only I follows
- (b) is only II follows
- (c) if either I or II follows
- (d) if neither I nor II follows

Key: **B**

Itemcode : **PT1590**

Q57 In each questions below is given a statement followed by two courses of action numbered (a) and (b).Give answer.

Statement:

Doordarshan is concerned about the quality of its programmers particularly in view of stiff competition. It is facing from STAR and other satellite TV channels and contemplating various measures to attract talent for its programmers.

Courses of Action

I. In an effort to attract talent. The Doordarshan has decided to revise its fee structure for the artists.

II. The fee structure should not be revised until other electronic media also revise it.

- (a) if only I follows
- (b) is only II follows
- (c) if either I or II follows
- (d) if neither I nor II follows

Key: **A**

Passage:

Answer the following question based on the passage.

Quinn: Our state is considering raising the age at which a person can get a driver's license to eighteen. This is unfair because the age has been sixteen for many years and sixteen-year-olds today are no less responsible than their parents and grandparents were at sixteen. Many young people today who are fourteen and fifteen years old are preparing to receive their licenses by driving with a learner's permit and a licensed driver, usually one of their parents. It would not be fair to suddenly say they have to wait two more years.

Dakota: It is true that people have been allowed to receive a drivers license at sixteen for generations. However, in recent years, the increase in traffic means drivers face more dangers than ever and must be ready to respond to a variety of

situations. The fact that schools can no longer afford to teach drivers education results in too many young drivers who are not prepared to face the traffic conditions of today.

Itemcode : **PT1585**

Q58 What is the point at issue between Quinn and Dakota?

:

- (a) whether sixteen-year-olds should be required to take drivers education before being issued a license
- (b) whether schools ought to provide drivers education to fourteen- and fifteen-year-old students
- (c) whether the standards for issuing drivers licenses should become more stringent
- (d) whether sixteen-year-olds are prepared to drive in today's traffic conditions

Key: **D**

Itemcode : **PT1586**

Q59 On what does Quinn rely in making her argument?

:

- (a) statistics
- (b) emotion
- (c) fairness
- (d) anecdotes

Key: **C**

Itemcode : **PT1587**

Q60 On what does Dakota rely in making her argument?

:

- (a) emotion
- (b) fairness
- (c) anecdotes
- (d) actualities

Key: **D**