CBRT - 2020
Question Paper Grid

Government of Goa 09 October 2020

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Technical Officer(ARD)

Itemcode : **TA1076**

Q1 : While testing statistical hypothesis, Type I error is committed if one concludes that

(a) there is no difference between means in the population when in fact there is a difference
(b) there is a difference between means in the population when in fact there is no difference
(c) the absence of a difference in the samples is due to chance
(d) any difference in the samples is due to chance
Key: **B**

Itemcode : **TA1077**

Q2 : If value of correlation coefficient, r is 0.9544, and its probable error is 0.0212 , then which of the following is true?

(a) Correlation is not at all significant
(b) Correlation is definitely significant
(c) Nothing can be concluded with certainty
(d) Correlation is significant if the data is drawn from a Normal population
Key: **D**

Itemcode : **TA1078**

Q3 : If $r(X,Y) = 0.78$, then $r\left(\frac{X-2}{5}, \frac{Y-2}{5}\right) =$

(a) 0.312
(b) 0.195
(c) 0.78
(d) 0.1248
Key: **C**

Itemcode : **TA1079**

Q4 : Which of the following makes no sense?

(a) p < 0.05
(b) r =0.95
(c) p =-0 .05
(d) r =-0 .95
Key: **C**

Itemcode : **TA1080**

Q5 : 5. Which of the following statements are true?
  a. Regression model does not have any errors
  b. Residual is the difference between actual and predicted value of independent variables
  c. The R-square value indicates the proportion of Total sum of squares explained by regression
  d. When independent variables are added to a regression model, R-square value sometimes increases
  e. When independent variables are added to a regression model, R-square value always increases

(a) a, c, and e
(b) a, b, and e
(c) b, c, and e
(d) c, and e
Key: **D**

Itemcode : **TA1081**

Q6 : Which of the following statements are true?
  a. If p-value is less than level of significance then there is no reason to reject the null hypothesis
  b. R-square value is one indicates that residuals are zero.
  c. If $y=-34.76-107.71X_1+1.21X_2$, then one unit increase in X_1 increases y value by 107.71units when X_2 is kept at the same level
  d. If $y=-34.76-107.71X_1+1.21X_2$, then one unit increase in X_1 decreases y value by 107.71units when X_2 is kept at the same level
  e. r=0.8 implies that 80% of the data are explained

(a) a, b, c
(b) b, d
(c) b, d, e
(d) a, c, e
Key: **B**

Itemcode : **TA1082**

Q7 : Which of the following pairs of independent variables likely has the highest amount of correlation?
    a. Height and salary of a person
    b. Height and weight of a person
    c. Weight and salary of a person
    d. Length of right foot and that of left foot of a person

(a) a, c
(b) b
(c) d
(d) b, d
Key: **D**

Itemcode : **TA1083**

Q8 : Which of the following expressions makes no sense?

(a) measured independent variable
(b) manipulated independent variable
(c) measured dependent variable
(d) manipulated dependent variable
Key: **C**

Itemcode : **TA1084**

Q9 : If the standard deviation of a data is 224.5 and if each value of the data is decreased by 10, then the new standard deviation is

(a) 214.5
(b) 2.245
(c) 22.45
(d) 224.5
Key: **D**

Itemcode : **TA1085**

Q10 : the standard deviation of first 17 natural numbers is

(a) $2\sqrt{6}$

(b) 153

(c) $\sqrt{\dfrac{145}{6}}$

(d) $\sqrt{153}$

Key: **A**

Itemcode : **TA1086**

Q11 : Which of the following are not true?
    a. The harmonic mean of n numbers is the Arithmetic mean of the reciprocals of the numbers
    b. The percentile points are in the ascending order
    c. A unique Mode value exists for each and every distribution
    d. Cumulative frequency is non-decreasing
    e. Mean deviation is least when taken from median

(a) a, c and e
(b) c, d and e
(c) a, c
(d) b, c and e
Key: **C**

Itemcode : **TA1087**

Q12 : If the sum of 10 observations is 12 and the sum of their squares is 16.9, then the value of variance is

(a) 0.5
(b) 0.25
(c) 2.5
(d) 2.25
Key: **B**

Itemcode : **TA1088**

Q13 : If $M_X(t) = E(e^{tX})$ exists for all t and for some random variable X, then

(a) $M_X(u + v) = M_X(u) + M_X(v) \quad for\ u, v \geq 0$
(b) $M_X(u + v) = M_X(u) \cdot M_X(v) \quad for\ u, v \geq 0$
(c) $M_X(u + v) \geq M_X(u) + M_X(v) \quad for\ u, v \geq 0$
(d) $M_X(u + v) \geq M_X(u) \cdot M_X(v) \quad for\ u, v \geq 0$

Key: **D**

Itemcode : **TA1089**

Q14 : For two random variables X and Y, the relation E(XY)=E(X)E(Y) holds good

(a) if X and Y are statistically independent
(b) For all X and Y
(c) If X and Y are identically distributed
(d) if X and Y are correlated
Key: **A**

Itemcode : **TA1090**

Q15 : If Moment Generating function of a random variable X is $M_X(t)$, then the Moment Generating function of the random variable $U = X - 3$ in terms of $M_X(t)$ is

(a) $e^{3t} M_X(t)$

(b) $e^{3t} M_X\left(\dfrac{t}{3}\right)$

(c) $e^{-3t} M_X(t)$

(d) $e^{-3t} M_X\left(\dfrac{t}{3}\right)$

Key: **C**

Itemcode : **TA1091**

Q16 : All odd order central moments of any symmetrical distribution is

(a) always 1
(b) always 0
(c) sometimes 1
(d) sometimes 0
Key: **B**

Itemcode : **TA1092**

Q17 : Given a dataset of positive integers {1,5,6 ,x,14,17,20,y} where xy=14, range of the dataset is

(a) 17
(b) 18
(c) 19
(d) Cannot be determined from the information given
Key: **C**

Itemcode : **TA1093**

Q18 : In a set of 10 million numbers, one percentile would represent what percent of the total number of terms?

(a) 10,00,000
(b) 1,00,000
(c) 10,000
(d) 1
Key: **D**

Itemcode : **TA1094**

Q19 : Total number of 5-digit numbers which can be formed using the digits 0,2,4,6,8,9 (if no digit can be repeated) is

(a) 120
(b) 240
(c) 600
(d) 720
Key: **C**

Itemcode : **TA1095**

Q20 : Pizza making company offers many options for customizing a Pizza. There are two types of meats, and 5 toppings: cheese, olives, tomatoes, onions and mushroom. A Pizza must include meat, but may include as many as toppings as the customer wants. How many Pizzas are possible?

(a) 7!
(b) 2X5!
(c) 2^7
(d) $3X2^5$
Key: **D**

Itemcode : **TA1096**

Q21 : An average mass of a certain population of insects is 5.2grams. with a standard deviation of 0.6 grams. If the mass if insects follows Normal distribution then which of the following is true?

(a) The percentage of the insects that have mass between 5.2 and 5.8grams is more that the percentage of the insects that have mass between 4.9 and 5.5grams
(b) The percentage of the insects that have mass between 5.2 and 5.8grams is less that the percentage of the insects that

have mass between 4.9 and 5.5grams
(c) The percentage of the insects that have mass between 5.2 and 5.8grams is same as that the percentage of the insects that have mass between 4.9 and 5.5grams
(d) In sufficient information to conclude
Key: **B**

Itemcode : **TA1097**

Q22 : Mr. X speaks truth in 55% cases and Mr. Y speaks truth in 60% cases. The probability that they will say the same thing(truth/false) in a particular event is

(a) 0.51
(b) 0.49
(c) 0.33
(d) 0.18
Key: **A**

Itemcode : **TA1098**

Q23 : Consider the table showing the number of candidates(in thousands) appearing in an entrance Examination from 5 different cities in a state

City	A	B	C	D	E
No. of candidates	25	27	8	85	73

Ratio of candidates passing (P) and failing (F) within city

City	A	B	C	D	E
Ratio of P to F	3:2	4:5	1:3	5:3	7:3

Then the number of candidates passing the examination from City E is what per cent of the total number of candidates appearing from all the cities together? [Select nearest answer up to two decimals]
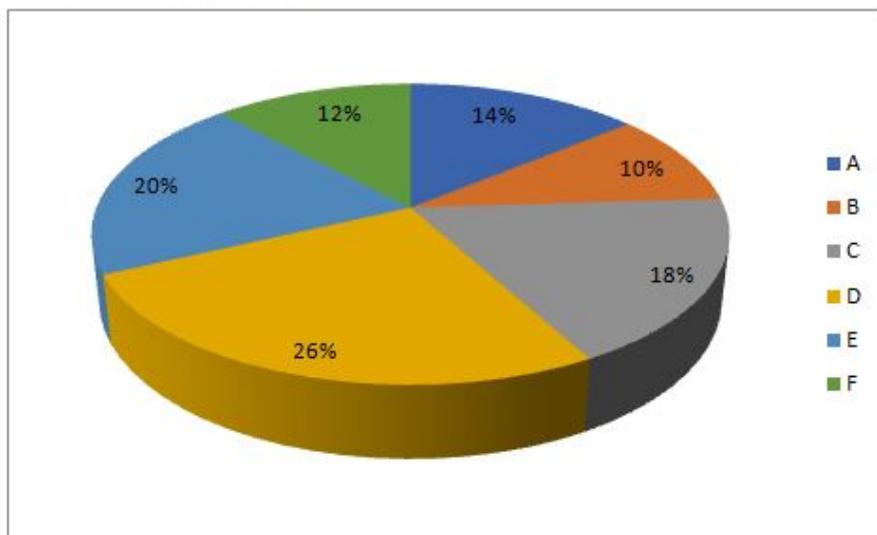
(a) 23.44%
(b) 10.05%
(c) 2.34%
(d) 1.00%
Key: **A**

Itemcode : **TA1099**

Q24 : Following Pie chart shows the distribution of total number of Laptops (Dell and HP) sold by 6 stores in April 2020.

Total number: 11200

Ratio of the number of Dell Laptops sold to that of HP laptops sold:

Stores	A	B	C	D	E	F
Ratio	4:3	1:4	5:4	6:7	1:3	11:10

Then the ration of the number of Dell Laptops sold by store A to the HP laptops sold by store B and E together is

(a) 161:56
(b) 8:7
(c) 7:8

(d) 56:161
Key: **D**

Itemcode : **TA1100**

Q25 : If X is a discrete random variable with probability function $p(x)$ then value of $\sum_x \left(\frac{1}{2}\right) p(x)$ is

(a) 0
(b) 1/2
(c) 1
(d) 2
Key: **B**

Itemcode : **TA1101**

Q26 : The conditional density function is same as the marginal density function

(a) Only if random variables exhibit deviation from its arithmetic mean
(b) Only if random variables exhibit deviation from its arithmetic mean
(c) Only if random variables are statistically dependent
(d) Only if random variables are statistically independent
Key: **D**

Itemcode : **TA1102**

Q27 : If X and Y are standardized random variables the correlation coefficient between X and Y is

(a) 0
(b) ± 1
(c) E(X)E(Y)
(d) E(XY)
Key: **D**

Itemcode : **TA1103**

Q28 : The number of ways one can make a first, second and third choice among 5 firms leasing construction equipment is

(a) 20
(b) 10
(c) 120
(d) None
Key: **A**

Itemcode : **TA1104**

Q29 : A vehicle, while driving from Panjim to Mapsa got 40km/litre and while returning on the same road, the vehicle got 48km/litre. Which of the following statement is true?

(a) The vehicle's mileage for the entire trip, in kilometre/litre is less than 44
(b) The vehicle's mileage for the entire trip, in kilometre/litre is more than 44
(c) The vehicle's mileage for the entire trip, in kilometre/litre is equal to 44
(d) The relationship cannot be determined from the information given
Key: **A**

Itemcode : **TA1105**

Q30 : Quartile deviation of 3, 7, 2, 0, 5 , 8, 1 is

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

Itemcode : **TA1106**

Q31 : Which of the following words is a term?

(a) Opportunity.
(b) Repeat.
(c) Above the hill.
(d) Everywhere but here.
Key: **A**

Itemcode : **TA1107**

Q32 : Salt is a nonpoisonous compound. Therefore, its component elements, sodium and chlorine, are nonpoisonous. The problem with the given argument is:

(a) Missing the point.
(b) False cause.
(c) Division.
(d) Composition.
Key: **C**

Itemcode : **TA1108**

Q33 : The death penalty is clearly immoral. This is so because life is intrinsically valuable. And this follows from the fact that human beings are ends in themselves. And we know this is true because human beings have a right not to be killed - which follows from the fact that the state has no right to take human life. And why is this true? Because the death penalty is clearly immoral. This is:

(a) Begging the question
(b) False cause.
(c) Slippery slope.
(d) Good argument
Key: **A**

Itemcode : **TA1109**

Q34 : Which statement is logically equivalent to the statement 'it is not the case that 'No politicians are corrupted'?

(a) All politicians are corrupted.
(b) Some politicians are not corrupted.
(c) Some corrupted beings are not politicians.
(d) Some politicians are corrupted.
Key: **D**

Itemcode : **TA1110**

Q35 : A six sided unbiased die with four green faces and two red faces is rolled seven times. Which of the following combinations is the most likely outcome of the experiment?

(a) Three green faces four red faces
(b) Four green faces and three red faces
(c) Five green faces and two red faces
(d) Six green faces and one red face
Key: **C**

Itemcode : **TA1111**

Q36 : Six people are seated around a circular table. There are atleast two men and two women. There are at-least three right handed persons. Every woman has a left handed person to her immediate right. None of the women are right handed. The number of women at table is

(a) 2
(b) 3
(c) 4
(d) Cannot be determined
Key: **A**

Itemcode : **TA1112**

Q37 : Five sentences are given below, labelled a, b, c, d and e. They need to be arranged in a logical order to form a coherent paragraph/passage. From the given options, choose the most appropriate sequence.

a. It is estimated that over 99 per cent of Bangalore silk saris are being made with Chinese silk yarn.
b. Markets across Indian towns and cities that are flooded with Chinese products, more so around festivals such as Deepavali, are grim reminders of how Made-in-China has come to dominate homes and offices.
c. JLR's China launch has set alarm bells ringing for the Modi government: 'Make in India" will have to go quickly from being a statement of intent to real action on the ground.
d. From furniture and gadgets to industrial equipment, India is importing almost all products from its neighbour, even yarn for saris.
e. The five-year period of 2005-06 to 2009-10 was one of a smart 10 per cent plus growth for the manufacturing sector when several advantages - engineering skills, a growing domestic market, a raw material base and a large pool of skilled labour -trumped the vast barriers to doing business in India.

(a) abedc
(b) ecbda
(c) bcdea
(d) edbca
Key: **B**

Itemcode : **TA1113**

Q38 : Four sentences are given below in options. Of these, three sentences 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) Half of the children were conceived naturally, without the help of IVF.
(b) Ovarian tissue transplants for women who want to have a baby after cancer treatment appear to be safe and are very successful, according to a team of experts in Denmark.
(c) One in three young women who had a transplant and wanted to become pregnant succeeded in having a baby, analysis of results over the last 10 years has shown.
(d) In Denmark, young women with cancer are routinely offered ovarian tissue freezing, but it is not automatic in the UK or elsewhere.
Key: **D**

Itemcode : **TA1114**

Q39 : Given below are four sentences that form a paragraph. Identify the sentence(s) or part(s) of sentence(s) that is/are correct in terms of grammar and usage (including spelling, punctuation and logical consistency). Then, choose the most appropriate option.
a. "There are very less three-month-long assignments out there," says freelance photographer Ivor Prickett.
b. So when the Irish photographer was offered one by United Nations Refugee Agency, he didn't hesitate.
c. "I was approached to cover the Syrian refugee crisis in the Middle East.
d. It was a topic I was already interested in, so it's not a hard decision to say yes."

(a) b and c
(b) a and d
(c) only c
(d) a, b and d
Key: **C**

Itemcode : **TA1115**

Q40 : Given below are four sentences that form a paragraph. Identify the sentence(s) or part(s) of sentence(s) that is/are correct in terms of grammar and usage (including spelling, punctuation and logical consistency). Then, choose the most appropriate option.
J. Potash was the name given to a potassium-rich substance that is obtained by soaking ashes in pots of water, the process that gave it its name.
K. But today a different method is used to obtain the commodity.
L. Water is pumped underground to dissolve buried potash ore before being pumped into the evaporation ponds.
M. The water is dyed deep blue to absorb heat and evaporate quicker, leaving behind the potash and salts.

(a) K and L
(b) J and M
(c) J, K and L
(d) Only M
Key: **A**

Itemcode : **TA1116**

Q41 : The given text is followed by four alternate summaries. Choose the option that best captures the essence of the text.

Tourism officials have closed a newly opened glass walkway in a central China tourism spot after cracks appeared in the structure at the height of the week-long National Day holiday. The glass walkway in Henan province's Yuntaishan scenic area had been supporting dozens of tourists on Monday when the cracks appeared with a loud bang. A single pane of the 68m-long (223 foot) section shattered into coin-sized segments, according to footage on state broadcaster CCTV. The area's management bureau said on its microblog on Thursday that there was no threat to safety because only one of the three layers of glass that make up the walkway was damaged.

(a) The newly opened glass walkway in China has suffered cracks but the cracks are not a threat to safety.
(b) The tourism officials of China have closed the newly opened glass walkway due to certain cracks appearing in the structure. These cracks were not considered a threat to safety by the area's management bureau.
(c) The newly opened glass walkway in China has suffered cracks and even though it is not a threat to safety, the walkway has been shut down by the tourism officials.
(d) Despite the management bureau's assurance that the cracks in the newly opened glass walkway are superficial, the tourism officials of China have closed it.
Key: **B**

Itemcode : **TA1117**

Q42 : Santosh was walking to and fro on a railway platform. He was walking at a uniform speed of 4 km/ hr in a straight path and he reverses his direction of motion at the end of fourth, seventh, ninth and thirteenth minutes, how far will he be from the starting point at the end of the tenth minute?

(a) 2/15 km
(b) 3/15 km
(c) 4/15 km
(d) 0 km
Key: **A**

Itemcode : **TA1118**

Q43 : Ram's watch is 10 min slow but he thinks it is 5 min fast. Rahim's watch is 5 min fast but he thinks it is 10 min slow. Both plan to catch a flight, which is supposed to leave at 6 o'clock. If both reach the airport exactly at the expected departure based upon their understanding of their respective watches, which of the following is definitely true?

(a) Rahim reached the airport 30 minutes before Ram
(b) Both reached together at 6'o clock
(c) Ram reached the airport 15 minutes before Rahim
(d) Rahim reached the airport 15 minutes before Ram
Key: **A**

Itemcode : **TA1119**

Q44 : The germination of seeds is estimated by a probability of 0.8. What is the probability that out of five seeds sown at least four will germinate?

(a) 0.73728
(b) 0.4096
(c) 0.08192
(d) None of these
Key: **A**

Itemcode : **TA1120**

Q45 : Mayank can do as much work in 2 days as Kulmohan can do in 3 days, and Kulmohan can do as much in 4 days as Vijay in 5 days. Three of them working together can complete a piece of work in 20 days. How long would Kulmohan alone take to complete the work?

(a) 80 days
(b) 60 days
(c) 46 days
(d) 66 days
Key: **D**

Itemcode : **TA1121**

Q46 : A contractor, having 'n' trucks, did not have space in his garage for 8 of his trucks. He, therefore, increased the size of his garage by 50% which gave him space for 8 more trucks than what he owned at that time. What is the value of 'n'?

(a) 30
(b) 40
(c) 50
(d) 60
Key: **B**

Itemcode : **TA1122**

Q47 : Simran was looking at a portrait. Pooja asked her "Whose picture are you looking at?" Simran replied "I do not have brothers or sisters. This woman's mother is my mother's daughter." ("this woman's mother", means, the mother of the woman in the picture). Whose picture was Simran looking at?

(a) Simran
(b) Simran's mother
(c) Simran's daughter
(d) Insufficient data
Key: **C**

Itemcode : **TA1123**

Q48 : 24 red socks and 24 blue socks are lying in a drawer in a dark room. What is the minimum number of socks I must take out of the drawer which will guarantee that I have at least two socks of the same color?

(a) 2
(b) 3
(c) 24
(d) 25
Key: **B**

Itemcode : **TA1124**

Q49 : Answer the question using the following facts:

In a kingdom there are three kinds of people: Vikrams, Vetals, and Aams. The Vikrams always tells truth, the Vetals always tells lies, and the Aams sometimes lies and sometimes tell truth.

We are given three people: A, B, C. One of them is a Vikram, one of them is Vetal and one of them is Aam (not necessarily in this order). They make the following statements:
A said: I am Aam.
B said: What A said is true.
C said: I am not Aam.
What are A, B and C?

(a) Aam, Vikram, Vetal
(b) Aam, Vetal, Vikram
(c) Vikram, Vetal, Aam
(d) Vetal, Aam, Vikram
Key: **D**

Itemcode : **TA1125**

Q50 : Answer the question using the following facts:
In a kingdom there are three kinds of people: Vikrams, Vetals, and Aams. The Vikrams always tells truth, the Vetals always tells lies, and the Aams sometimes lies and sometimes tell truth.

Marriages in that kingdom is strange. Aam people marry only Aam people. Vikrams marry only Vetals and Vetals marry only Vikrams. We meet a married couple Mr. and Mrs. Z. They make the following statements:
Mr. Z: My wife is not Aam
Mrs Z: My husband is not Aam
What are Mr and Mrs A?

(a) both are Aam
(b) one of them is Vikram and the other Vetal
(c) both are Vetals
(d) Insufficient data
Key: **A**

Itemcode : **TA1126**

Q51 : Assume you own 25 horses and a racing track which can run at most 5 horses at a time. You do not have any watch or timers to find the running time of each horse. All you can do is run 5 or less horses at a time and find out who reached first, second, third etc. How many races should you run to find the second fastest horse among these 25 horses.

(a) 6
(b) 7
(c) 8
(d) 9
Key: **C**

Itemcode : **TA1127**

Q52 : Consider a circular path in a garden which can be covered in exactly 20 steps. Suppose you start walking from a fixed point P. First you take 32 steps forward, then 82 steps backwards, then, 66 steps forward, then 29 steps forward. How many steps will you have to take, and in which direction to reach point P?

(a) 5 steps backward
(b) 5 steps forward
(c) 9 steps backward

(d) 9 steps forward
Key: **A**

Itemcode : **TA1128**

Q53 : Cyclist Ramesh started cycling towards East at a constant speed of 120km/hr. At exactly same time, his friend Umesh who is located 50km West started cycling towards East on a service road parallel to the road taken by Ramesh at a constant speed of 80km/hr. How long after cycling did Umesh catch up with Ramesh?

(a) 1 hour
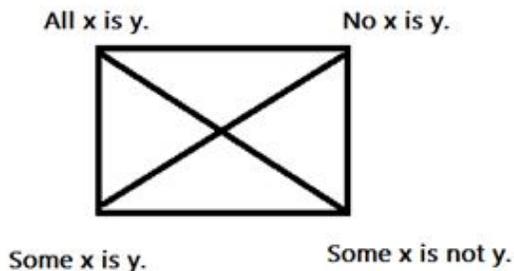(b) 48 minutes
(c) 1 hour 15 minutes
(d) 1 hour 35 minutes
Key: **C**

Itemcode : **TA1129**

Q54 : A pen drive with a capacity of 32GB is three -quarters full. 25% of the saved data in the pen drive is deleted before saving another 10GB of new data to the device. The resultant result of data saved is what percentage of the capacity of the pen drive ?

(a) 70%
(b) 75%
(c) 87.5%
(d) 90%
Key: **C**

Itemcode : **TA1130**

Q55 :

From the following square, find out the relationships between statements.
If all the four statements have same subject and predicate and the given statement 'some x is y' is true, then what does NOT follow:

All x is y.   No x is y.

Some x is y.   Some x is not y.

i) All x is y is doubtful
ii) No x is y is false.
iii) Some x is not y is doubtful
iv) Some x is not y is true

(a) Only (i) does not follow
(b) Only (i) and (ii) do not follow
(c) Only (iii) does not follow
(d) Only (iv) does not follow
Key: **D**

Passage:
Of all forms of literature, however, the essay is the one which least calls for the use of long words. The principle which controls it is simply that it should give pleasure; the desire which impels us when we take it from the shelf is simply to receive pleasure. Everything in an essay must be subdued to that end. It should lay us under a spell with its first word, and we should only wake, refreshed, with its last. In the interval we may pass through the most various experiences of amusement, surprise, interest, indignation. We may soar to the heights of fantasy with Lamb or plunge to the depths of wisdom with Bacon, but we must never be roused.

Itemcode : **TA1141**

Q56 : As per the above passage, the differentiating characteristic of the Essay from other literary forms is

(a) interest
(b) conciseness
(c) amusement
(d) pleasure
Key: **B**

Itemcode : **TA1142**

Q57 : Select a synonymous expression or word for "impels" from the given options

(a) drives from within
(b) pleads with
(c) compels
(d) forces
Key: **A**

Itemcode : **TA1143**

Q58 "Everything in an Essay must be subdued to that end". What is implied by the phrase "that end" here?
:

(a) the final part
(b) the happy ending
(c) that objective
(d) that conclusion
Key: **C**

Itemcode : **TA1144**

Q59 What is meant by "subdued" in the present context?
:

(a) toned down
(b) lowered
(c) defeated
(d) made secondary
Key: **A**

Itemcode : **TA1145**

Q60 Identify from the given options the correct antonyms of "interest, pleasure, indignation," in
:   their respective order.

(a) keenness, amusement, disdain
(b) boredom, displeasure, contentment
(c) enthusiasm, contentment, disdain
(d) monotony, unhappiness, sympathy
Key: **B**

Passage:
The efficiency of human memory is amazing. Modern man remembers even telephone numbers and names of actors and actresses and cricketers and footballers and murderers. Thus, he can remember almost everything in his life. For example, a man does not forget a single item of his clothing when dressing.Similarly, no one forgets to shut the front door when leaving the house. In fact, the institution of family survives in modern cities because ordinary people have efficient memory. However, in some matters human memory works less than its usual perfection. For example, most people forget to take the medicine. But they don't forget to take meals and medicines are usually taken before or after or during meals. Psychologists say that we forget things because we wish to forget them. So people don't like medicines and that is why they forget them. In a lighter vein it can be deduced that the chemists make a lot of money because people forget to take medicines and their illness is not cured and they buy more and more medicines.

Itemcode : **TA1146**

Q61 The statement, " In fact, the institution of family survives in modern cities because
:   ordinary people have efficient memory", has been made to

(a) praise families in modern cities
(b) illustrate the efficiency of memory
(c) mock families in modern villages
(d) as a paradox with village life
Key: **B**

Itemcode : **TA1147**

Q62 From the options given below choose the odd one out
:

(a) efficiency
(b) competence
(c) efficacy
(d) efficient
Key: **C**

Itemcode : **TA1148**

Q63 " It can be deduced that the chemists make a lot of money because people forget to take medicines".
:   The above statement in the passage is

(a) an exaggeration of facts
(b) a distortion of facts
(c) a humorous observation on forgetting
(d) all the above
Key: **D**

Itemcode : **TA1149**

Q64 "However, in some matters human memory works less than its usual perfection."
:   In the context of the entire passage this statement is by far

(a) an indictment of human memory
(b) a compliment to human memory
(c) a critique of forgetful people
(d) an overstatement about memory
Key: **B**

Itemcode : **TA1150**

Q65 From the options provided below, find the antonym for the word "amazing"
:

(a) astounding

(b) astonishing
(c) commonplace
(d) bewildering
Key: **C**

Itemcode : **TA1131**

Q66 World Hepatitis day is observed on
:

(a) 28th July
(b) 26th June
(c) 28th September
(d) 23rd October
Key: **A**

Itemcode : **TA1132**

Q67 What is the name of Iran's new currency?
:

(a) Reman
(b) Sian
(c) Toman
(d) Broon
Key: **C**

Itemcode : **TA1133**

Q68 Which state of India has made Rain water harvesting compulsory for each house?
:

(a) Maharashtra
(b) Rajasthan
(c) Madhya Pradesh
(d) Tamil Nadu
Key: **D**

Itemcode : **TA1134**

Q69 Filaria is caused by
:

(a) Bacteria
(b) Mosquito
(c) Protozoa
(d) Virus
Key: **B**

Itemcode : **TA1135**

Q70 Who was the first Indian Chief of Army Staff of the Indian Army ?
:

(a) K.M. Cariappa
(b) Vice-Admiral R.D. Katari
(c) Maharaja Rajendra Singhji
(d) None of the above
Key: **A**

Itemcode : **TA1136**

Q71 Heavy Water Project (Talcher) and Fertilizer plant (Paradeep) are famous industries of
:

(a) Orissa
(b) Tamil nadu
(c) Andhra Pradesh
(d) Kerala
Key: **A**

Itemcode : **TA1137**

Q72 Hamid Karzai was chosen president of Afghanistan in
:

(a) 2000
(b) 2001
(c) 2002
(d) 2003
Key: **C**

Itemcode : **TA1138**

Q73 Which country is larger production of crude oil in 2019?
:

(a) Saudi Arabia
(b) USA
(c) Russian Fereration
(d) Iraq
Key: **B**

Itemcode : **TA1139**

Q74 : Which of the following is Academic Institute Satellite?

(a) CARTOSAT-2B
(b) KALPANA - 1
(c) SATYABAMASAT
(d) INSAT-2E
Key: **C**

Itemcode : **TA1140**

Q75 : Which of the following countries has agreed to accept the payment of export of oil and petroleum products to India, in rupee terms instead of dollar or any other currency?

(a) Kuwait
(b) Libya
(c) Iran
(d) Iraq
Key: **C**

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