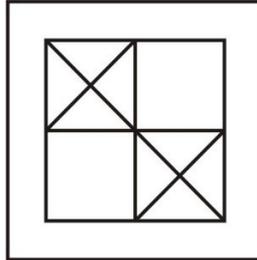| Exported On *	2022/09/19 10:54:22
Title *	Question Paper Answer Key
OES Exam *	GPSC0720220803 / Pre Screening of Junior Scale Officer_3 / Completed / 2022-09-18

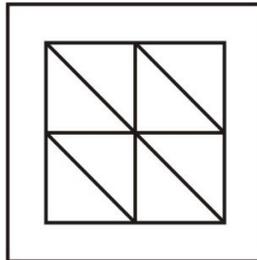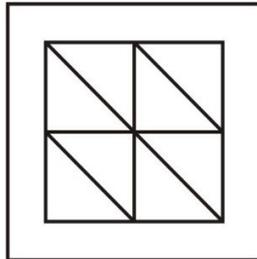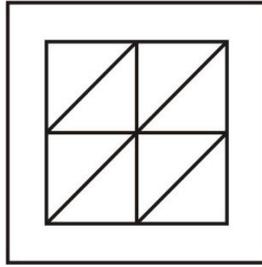| 1	**Question Description**	Find the mirror image :
	A	
	B	

C	
D	
E	None of the above
Correct Answer	D
Marks	1

2	**Question Description**	A contract on construction job specifies a penalty for delay in completion of the work beyond a certain date is as follows: Rs. 200 for the first day, Rs. 250 for the second day, Rs. 300 for the third day etc., the penalty for each succeeding day being 50 more than that of the preceding day. How much penalty should the contractor pay if he delays the work by 10 days ?
	A	Rs. 4950
	B	Rs. 4250
	C	Rs. 3600
	D	Rs. 650
	E	None of the above
	Correct Answer	B
	Marks	1

3	Question Description	A tank is filled by three pipes with uniform flow. The first two pipes operating simultaneously fill the tank in the same time during which the tank is filled by the third pipe alone. The second pipe fills the tank 5 hours faster than the first pipe and 4 hours slower than the third pipe. The time required by the first pipe is:
	A	6 hours
	B	10 hours
	C	15 hours
	D	30 hours
	E	None of the above
	Correct Answer	C
	Marks	1

4	Question Description	Study the following questions carefully and choose the right answer:
		Statement: The availability of imported fruits has increased in the indigenous market and so the demand for indigenous fruits has been decreased.
		Courses of action:
		I. To help the indigenous producers of fruits, the Government should impose high import duty on these fruits, even if these are not of good quality.
		II.The fruit vendors should stop selling imported fruits so that the demand for indigenous fruits would be increased.
	A	Only I follows
	B	Only II follows
	C	Either I or II follows
	D	Neither I nor II follows
	E	None of the above
	Correct Answer	D
	Marks	1

5	Question Description	How many pairs of letters are there in the word **NURSING** which have as many letters between them as in the alphabet?
	A	One
	B	Three
	C	Five
	D	Six
	E	None of the above
	Correct Answer	B
	Marks	1

6	**Question Description**	
		Directions : Study the following information carefully and answer the questions given beside.
		Input: 781 vsskt 651 ltsk 486 deef 351 jklm 581 tuvw
		Step 1: 351 781 vsskt 651 ltsk 486 jklm 581 tuvwdeef
		Step 2: 651 351 781 vssktltsk 486 581 tuvwdeefjklm
		Step 3: 581 651 351 781 vsskt 486 tuvwdeefjklmltsk
		Step 4: 781 581 651 351 vsskt 486 deefjklmltsktuvw
		Step 5: 486 781 581 651 351 deefjklmltsktuvwvsskt
		Step 5 is the final step
		As per the pattern followed in the above steps, find out for given input:
		Input: 555 cat 651 dog 481 gold 231 modi 631 ruchi
		If in step 4 '651' is related to '231' & '555' is related to 'cat', then following the same pattern '631' is related to _____

A	ruchi
B	231
C	555
D	cat
E	None of the above
Correct Answer	C
Marks	1

7	Question Description	Find missing number

38	54	61	79
21	?	12	24
19	09	14	?

A	18, 46
B	28,51
C	42,62
D	18,44
E	None of the above
Correct Answer	D
Marks	1

| 8 | **Question Description** | Direction: In each of the following question, there is a certain relationship between two given pair on both side of '::' . One part is given on another side of '::' while another part is to be found from the given options, having the same relation with this part as the parts of the given pair . Choose the correct part from the following options.

91 : ? : : 64 : 54 |
|---|---|---|
| | **A** | 63 |
| | **B** | 101 |
| | **C** | 32 |
| | **D** | 70 |
| | **E** | None of the above |
| | **Correct Answer** | A |
| | **Marks** | 1 |

9	**Question Description**	In a class, there are 80 students. The following table gives the details regarding the distribution of the marks scored (in percentage terms) by the students in each of the six subjects — Mathematics, Physics, Chemistry, History, English and Geography. Every student wrote all the six subjects.

Subject	The number of students scoring marks (m) in the range				
	90% < m	75% < m ≤ 90%	60% < m ≤ 75%	40% < m ≤ 60%	20% < m ≤ 40%
Mathematics	14	15	13	17	13
Physics	7	23	13	8	17
Chemistry	9	10	16	12	18
History	11	17	15	11	20
English	13	19	10	7	27
Geography	8	14	14	9	25

A	What is the minimum possible number of students who scored more than 60% but not more than 90% in at most three of the six subjects?
B	38
C	36
D	10
E	None of the above
Correct Answer	C
Marks	1

| Question Description | Read the following two passages and answer the items that follow the passages. Your answers to these items should be based on the passages only.

The majority of people who fail to accumulate money sufficient for their needs, are generally, easily influenced by the opinions of others. They permit the newspapers and the gossiping neighbours to do their thinking for them. Opinions are the cheapest commodities on the earth. Everyone has a flock of opinions ready to be wished upon by anyone who will accept them. If you are influenced by opinions when you reach decisions, you will not succeed in any undertaking.

Which one of the following is implied by the passage? |
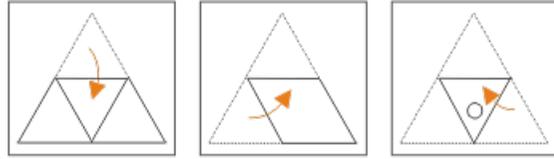|---|---|
A	Most of the people do not accumulate money for their needs.
B	Most of the people never fail to accumulate money for their needs.
C	There are people who fail to accumulate money for their needs.
D	There is no need to accumulate money.
E	None of the above
Correct Answer	C
Marks	1

11	Question Description	In the question, A triangular piece of paper is folded and punched as shown below. From the given responses indicate how it will appear when opened.
	A	
	B	
	C	
	D	
	E	None of the above
	Correct Answer	A
	Marks	1
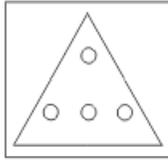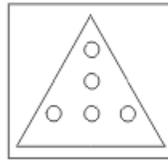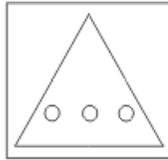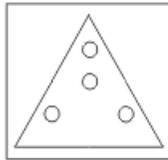
12	Question Description	How many such pairs of letters are there in the word 'APPREHENSION' each of the which has as many letters between them in the word as there are between them in the English alphabet?
	A	4
	B	5
	C	6
	D	7
	E	None of the above
	Correct Answer	A
	Marks	1

13

Question Description	
	Directions: In each question below are given some statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows/follow from the given statements, disregarding commonly known facts.
	Statements:
	A few Ostriches are Peacocks.
	All Peacocks are Swans.
	Some Swans are Ducks.
	Conclusions:
	I. A few Swans are Ostriches.
	II. Some Ducks are Peacocks.
A	If only conclusion I follow
B	If only conclusion II follow
C	If neither conclusion I nor conclusion II follows
D	If both the conclusions follow
E	None of the above
Correct Answer	A
Marks	1

14	**Question Description**	Choose the pair that best represents a similar relationship to the one expressed in the original pair of words.
		AERIE : EAGLE
	A	bridge : architect
	B	unit : apartment
	C	kennel : veterinarian
	D	house : person
	E	None of the above
	Correct Answer	D
	Marks	1

15	Question Description	Each of the questions given below consists of a question followed by three statements. You have to study the question and the statements and decide which of the statement(s) is/are necessary to answer the question.
		What is the speed of the train?
		I. The train crosses a tree in 13 seconds.
		II. The train crosses a platform of length 250 metres in 27 seconds.
		III. The train crosses another train running in the same direction in 32 seconds.
	A	I and II only
	B	II and III only
	C	I and III only
	D	Any two of the three
	E	None of the above
	Correct Answer	A
	Marks	1

16	Question Description	Directions: Following questions are based upon the word series given below.
		DEN, RAT, EAR, OWL, CUB
		If E is added in the end of the words that start with consonants and B is added in the beginning of the words that start with vowel then how many meaningful English words can be formed so?
	A	2
	B	5
	C	3
	D	4
	E	None of the above
	Correct Answer	D
	Marks	1

17	Question Description	How many times are the hands of a clock at right angle in a day?
	A	22
	B	24
	C	44
	D	48
	E	None of the above
	Correct Answer	C
	Marks	1

18	**Question Description**	The price of a television was first decreased by 10 percent and then increased by 20 percent. The final price was what percent of the initial price?
	A	90%
	B	98%
	C	108%
	D	110%
	E	None of the above
	Correct Answer	C
	Marks	1

19

Question Description	Directions: Read the following information carefully and answer the questions given beside. In a certain code language, 'lavish lifestyle high desires' is coded as "@16f $36i @9d $16g" 'humanity seldom exhibit mercy' is coded as "@25h #16f @16g $16e" 'opinion matters heart felt' is coded as "#9g $25g %9e $9d" 'push yourself achieve goals' is coded as "&9d $25h $9g %9e" Code – '$25i %16f' stands for which of the following phrases?
A	adventure island
B	horrible nightmare
C	witness digitally
D	showcase quality
E	None of the above
Correct Answer	A
Marks	1

20	Question Description	Pointing to a photograph Yuvraj says, "He is the only brother of the only daughter of my sister's maternal grandmother." Pointing to another photograph Sourav says, "he is the only brother of the only daughter of my sister's maternal grandmother." If among the two photographs, one was either of Sourav or Yuvraj, and the photograph, towards which Yuvraj was pointing, was not of Sourav, then how is Yuvraj related to Sourav?
	A	Paternal uncle
	B	Maternal uncle
	C	Grandfather
	D	Father in law
	E	None of the above
	Correct Answer	C
	Marks	1

21	Question Description	In a class, there are 80 students. The following table gives the details regarding the distribution of the marks scored (in percentage terms) by the students in each of the six subjects — Mathematics, Physics, Chemistry, History, English and Geography. Every student wrote all the six subjects.

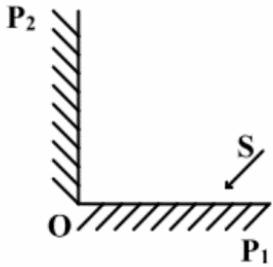| Subject	The number of students scoring marks (m) in the range				
	90% < m	75% < m ≤ 90%	60% < m ≤ 75%	40% < m ≤ 60%	20% < m ≤ 40%
Mathematics	14	15	13	17	13
Physics	7	23	13	8	17
Chemistry	9	10	16	12	18
History	11	17	15	11	20
English	13	19	10	7	27
Geography	8	14	14	9	25

What is the maximum possible number of students who could have scored more than 40% but not more than 60% of marks in at least four of the six subjects?

A	16
B	15
C	14
D	0

E	None of the above
Correct Answer	B
Marks	1

Question Description	Consider the figure given below and answer the items that follows:

In the figure shown above, OP 1 and OP 2 are two plane mirrors kept perpendicular to each other. S is the direction of a beam of light falling on the mirror OP 1. The direction of the reflected beam of light from the mirror OP 2 will be

A	Perpendicular to the direction S.
B	At 45° to the direction S.
C	Opposite and parallel to the direction S.
D	At 60° to the direction S.
E	None of the above
Correct Answer	C
Marks	1

23	**Question Description**	Given that there are 30 days in April, the ratio of rainy days to sunny days during the month of April could not be
	A	5:3
	B	3:2
	C	5:1
	D	4:1
	E	None of the above
	Correct Answer	A
	Marks	1

24	**Question Description**	There are six Indian cricketers, namely Virat, Rohit, Dhoni, Raina, Ishant, and Rahane. Among them two are batsmen, while others are wicket keeper, fast bowler, all rounder and spinner, though not necessarily in the same order. Also, each of these cricketers belongs to a different city, namely Chandigarh, Delhi, Ranchi, Chennai, Mumbai and Jaipur. I. Virat, a fast bowler, is neither from Chennai nor from Jaipur. II. The one who is from Mumbai is a spinner. Neither Raina nor Rohit is from Mumbai. III. Rohit is the all-rounder of the team and is from Jaipur. IV. Virat is not from Ranchi while Rahane is not from Chennai. V. Raina the wicket keeper is from Delhi. Neither Dhoni nor Rahane is a spinner. Which of the following cricketers is from Ranchi?
	A	Dhoni
	B	Ishant
	C	Rahane
	D	Can't be determined
	E	None of the above
	Correct Answer	C
	Marks	1

25	**Question Description**	Direction: In each of the following question, there is a certain relationship between two given pair on both side of '::' . One word is given on another side of '::' while another word is to be found from the given options, having the same relation with this word as the words of the given pair . Choose the correct word from the following options.
		Hair : Bald : : Crop : ?
	A	Field
	B	Farmer
	C	Rain
	D	Barren
	E	None of the above
	Correct Answer	D
	Marks	1

| 26 | Question Description | Directions: Each of the following consists of a question and some statements given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

What is the code for 'win like never'?
Statement I: "record inning win" is coded as "fegupu" and "party like win" is coded as "hosafe".
Statement II: "never steal money" is coded as "ca mo pi" and "gamble money winner" is coded as "be pi ta".
Statement III: "never forget inning" is coded as "mogu je" and "steal party tonight" is coded as "sa de ca" |
|---|---|---|
| | A | If the data in statement I and II together is sufficient. |
| | B | If the data in statement II and III together is sufficient |
| | C | If the data in all the statements together is necessary. |
| | D | If the data in all the statements together is not sufficient. |
| | E | None of the above |
| | Correct Answer | C |
| | Marks | 1 |

27		
Question Description		Which of the following is logically equivalent to $\sim(\sim p \Rightarrow q)$?
A		p ∧ q
B		p ∧ ~q
C		~p ∧ q
D		~p ∧ ~q
E		None of the above
Correct Answer		D
Marks		1

28		
Question Description		In a class, there are 80 students. The following table gives the details regarding the distribution of the marks scored (in percentage terms) by the students in each of the six subjects — Mathematics, Physics, Chemistry, History, English and Geography. Every student wrote all the six subjects.

	The number of students scoring marks (m) in the range				
Subject	90% < m	75% < m ≤ 90%	60% < m ≤ 75%	40% < m ≤ 60%	20% < m ≤ 40%
Mathematics	14	15	13	17	13
Physics	7	23	13	8	17
Chemistry	9	10	16	12	18
History	11	17	15	11	20
English	13	19	10	7	27
Geography	8	14	14	9	25

What is the minimum possible number of students who could have scored more than 40% but not more than 75% of marks in at least two of the six subjects?

A   11

B   9

C   15

D   13

E   None of the above

Correct Answer	D
Marks	1

29 | **Question Description** | Read the following two passages and answer the items that follow the passages. Your answers to these items should be based on the passages only.

The majority of people who fail to accumulate money sufficient for their needs, are generally, easily influenced by the opinions of others. They permit the newspapers and the gossiping neighbours to do their thinking for them. Opinions are the cheapest commodities on the earth. Everyone has a flock of opinions ready to be wished upon by anyone who will accept them. If you are influenced by opinions when you reach decisions, you will not succeed in any undertaking.

What is the main idea of the passage?

A	People should not be influenced by the opinions of others.
B	People should accumulate as much money as they can.
C	People should neither give nor accept the opinions.
D	People will succeed in any undertaking if they do not accept any
E	None of the above
Correct Answer	A
Marks	1

Question Description	Instructions for question
	Study the following information carefully and answer the questions given below:
	Among the six persons - P, Q, R, S, T and U - each has different weight. P is heavier than three persons. R is lighter than T. S is lighter than only Q. R is not the lightest. The second heaviest person is of 68 kg and the second lightest person is of 35 kg.
	Which of the following represents the descending order of weights of the six persons?
A	S, Q, P, T, R, U
B	Q, S, P, U, T, R
C	Q, S, P, T, R, U
D	Q, S, P, T, U, R
E	None of the above
Correct Answer	C
Marks	1

31	**Question Description**	Directions: A word and number arrangement machine when given an input line of word arranges them following a unique logic/mathematical operation at each step. The following is an illustration of the input and various steps to obtain the output. Input : floating current boat swing stream and sail along Step I : 16 14 8 10 12 6 8 10 Step II : 28 20 16 20 Step III: 8 4 Step IV: 4 Step IV is the final output. Find the final output and various steps for the following input. Input: season come and go weather remain same forever If in the given input 'and' is replaced by 'but', then which of the following value will change?
	A	8
	B	4
	C	6
	D	No Change will happen
	E	None of the above
	Correct Answer	D
	Marks	1

32 **Question Description**	Directions: Study the following questions carefully and choose the right answer: Statement: Postal rates have been increased to meet the deficit. Assumptions: I. The present rates are very low. II. If the rates are not increased, the deficit cannot be met.
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 nor II is implicit
E	None of the above
Correct Answer	B
Marks	1

33	**Question Description**	There are six Indian cricketers, namely Virat, Rohit, Dhoni, Raina, Ishant, and Rahane. Among them two are batsmen, while others are wicket keeper, fast bowler, all rounder and spinner, though not necessarily in the same order. Also, each of these cricketers belongs to a different city, namely Chandigarh, Delhi, Ranchi, Chennai, Mumbai and Jaipur. I. Virat, a fast bowler, is neither from Chennai nor from Jaipur. II. The one who is from Mumbai is a spinner. Neither Raina nor Rohit is from Mumbai. III. Rohit is the all-rounder of the team and is from Jaipur. IV. Virat is not from Ranchi while Rahane is not from Chennai. V. Raina the wicket keeper is from Delhi. Neither Dhoni nor Rahane is a spinner. Who among the following is from Chandigarh?
	A	Dhoni
	B	Virat
	C	Ishant
	D	Rahane
	E	None of the above
	Correct Answer	B
	Marks	1

Question Description	Directions: Read the following information carefully and answer the questions given beside. Six children are playing Hide & Seek in a park and were standing at different positions such that P is 9 m towards the north of T. Q is 4 m to the west of O, who is 12m to the east of T. U is 6 m to the south of Q. R is 3 m to the north of O. Then few of them moved and their new positions are denoted by adding (` ) to their respective names. P moved 5m towards east. O moved 3 m towards the east. Q moved 5 m towards the north.  T is in which direction and how much far from O` ?
A	12m, West
B	15m, East
C	10m, North-west
D	15m, West
E	None of the above
Correct Answer	D
Marks	1

35	Question Description	Directions: In these questions, relationship between different elements is shown in the statement. The statements are followed by two conclusions. Choose the correct Answer given below: Statements : G = T, T ≤ W, W ≥ K Conclusions : W > G, W = G
	A	Only conclusion II follows
	B	Only conclusion I follows
	C	Both conclusion I and II follow.
	D	Either conclusion I or conclusion II follows.
	E	None of the above
	Correct Answer	D
	Marks	1

36	**Question Description**	What will come in place of the question mark (?) in the following number series? 2, 12, 36, 80, 150, ?
	A	252
	B	246
	C	254
	D	244
	E	None of the above
	Correct Answer	A
	Marks	1

37		
Question Description	Which Answer Figure will complete the pattern in the figure?	
A		
B		
C		
D		
E	None of the above	
Correct Answer	D	
Marks	1	
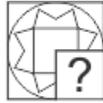
38		
Question Description	In a class, there are 80 students. The following table gives the details regarding the distribution of the marks scored (in percentage terms) by the students in each of the six subjects — Mathematics, Physics, Chemistry, History, English and Geography. Every student wrote all the six subjects.	

Subject	The number of students scoring marks (m) in the range				
	$90\% < m$	$75\% < m \leq 90\%$	$60\% < m \leq 75\%$	$40\% < m \leq 60\%$	$20\% < m \leq 40\%$
Mathematics	14	15	13	17	13
Physics	7	23	13	8	17
Chemistry	9	10	16	12	18
History	11	17	15	11	20
English	13	19	10	7	27
Geography	8	14	14	9	25

Which of the following is a possible number of students who scored more than 20% but not more than 90% of marks in each of the six subjects?

A	53
B	57
C	61
D	63
E	None of the above
Correct Answer	A
Marks	1

39	Question Description	On what dates of April, 2001 did Wednesday fall?
	A	1st, 8th, 15th, 22nd, 29th
	B	2nd, 9th, 16th, 23rd, 30th
	C	3rd, 10th, 17th, 24th
	D	4th, 11th, 18th, 25th
	E	None of the above
	Correct Answer	D
	Marks	1

40 **Question Description**	There are six Indian cricketers, namely Virat, Rohit, Dhoni, Raina, Ishant, and Rahane. Among them two are batsmen, while others are wicket keeper, fast bowler, all rounder and spinner, though not necessarily in the same order. Also, each of these cricketers belongs to a different city, namely Chandigarh, Delhi, Ranchi, Chennai, Mumbai and Jaipur. I. Virat, a fast bowler, is neither from Chennai nor from Jaipur. II. The one who is from Mumbai is a spinner. Neither Raina nor Rohit is from Mumbai. III. Rohit is the all-rounder of the team and is from Jaipur. IV. Virat is not from Ranchi while Rahane is not from Chennai. V. Raina the wicket keeper is from Delhi. Neither Dhoni nor Rahane is a spinner. Which of the following is the pair of batsmen as per the conditions given above?
A	Rahane – Virat
B	Ishant – Dhoni
C	Virat – Dhoni
D	Dhoni – Rahane
E	None of the above
Correct Answer	D
Marks	1

41	Question Description	Directions: Study the following information carefully and answer the questions given below:
		Eight persons – Sarin, Rahi, Akasa, Pavi, Preet, Gunjan, Taran and Namya belong to a family which consists of three generations and two married couples.
		Preet is the sister of only son of Akasa. Pavi is the daughter in law of Sarin. Rahi is the mother of Akasa. Sarin is the grandfather of Taran who is the daughter of Pavi. Namya is the maternal uncle of Gunjan.
		How is Akasa's son related to Taran's grandfather?
	A	Brother in law
	B	Son
	C	Grandson
	D	Nephew
	E	None of the above
	Correct Answer	C
	Marks	1

42 **Question Description**	There are six Indian cricketers, namely Virat, Rohit, Dhoni, Raina, Ishant, and Rahane. Among them two are batsmen, while others are wicket keeper, fast bowler, all rounder and spinner, though not necessarily in the same order. Also, each of these cricketers belongs to a different city, namely Chandigarh, Delhi, Ranchi, Chennai, Mumbai and Jaipur. I. Virat, a fast bowler, is neither from Chennai nor from Jaipur. II. The one who is from Mumbai is a spinner. Neither Raina nor Rohit is from Mumbai. III. Rohit is the all-rounder of the team and is from Jaipur. IV. Virat is not from Ranchi while Rahane is not from Chennai. V. Raina the wicket keeper is from Delhi. Neither Dhoni nor Rahane is a spinner. Dhoni is from which of the following cities?
A	Ranchi
B	Mumbai
C	Chennai
D	Chandigarh
E	None of the above
Correct Answer	C
Marks	1

43

Question Description	Determine the number of rectangles and hexagons in the following figure.
A	30, 5
B	32, 3
C	28, 5
D	30, 3
E	None of the above
Correct Answer	A
Marks	1
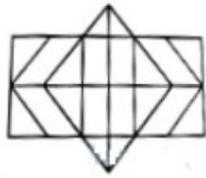
44	Question Description	Direction: In each of the following question, there is a certain relationship between two given pair on both side of '::' . One part is given on another side of '::' while another part is to be found from the given options, having the same relation with this part as the parts of the given pair . Choose the correct part from the following options. MAD : JXA :: RUN : ?
	A	OSQ
	B	PRJ
	C	UXQ
	D	ORK
	E	None of the above
	Correct Answer	D
	Marks	1

45	**Question Description**	Each question presents a situation and asks you to make a judgment regarding that particular circumstance. Choose an answer based on given information. Rita, an accomplished pastry chef who is well known for her artistic and exquisite wedding cakes, opened a bakery one year ago and is surprised that business has been so slow. A consultant she hired to conduct market research has reported that the local population doesn't think of her shop as one they would visit on a daily basis but rather a place they'd visit if they were celebrating a special occasion. Which of the following strategies should Rita employ to increase her daily business?
	A	making coupons available that entitle the coupon holder to receive a 25% discount on wedding, anniversary, or birthday cakes
	B	exhibiting at the next Bridal Expo and having pieces of one of her wedding cakes available for tasting
	C	placing a series of ads in the local newspaper that advertise the wide array of breads
	D	moving the bakery to the other side of town
	E	None of the above
	Correct Answer	C
	Marks	1

46	Question Description	What is the speed of the boat in still water?
		I. It takes 2 hours to cover the distance between A and B downstream.
		II. It takes 4 hours to cover the distance between A and B upstream.
	A	I alone sufficient while II alone not sufficient to answer
	B	II alone sufficient while I alone not sufficient to answer
	C	Either I or II alone sufficient to answer
	D	Both I and II are not sufficient to answer
	E	None of the above
	Correct Answer	D
	Marks	1

Question Description		All employees have to pass through three consecutive entrance doors to enter into the office and one security guard is deployed a teach door. These security guards report to the manager about those who come to office after 10 AM. Ms. Rani is an employee of this office and came late on the annual day. In order to avoid report to the manager she had to pay each security guard half of the money she had in her purse and 2 rupees more besides. She found only one rupee with her at the end. How much money Ms. Rani had before entering the office on the annual day?
A		Rs.40
B		Rs.36
C		Rs.25
D		Rs.42
E		None of the above
Correct Answer		B
Marks		1

48
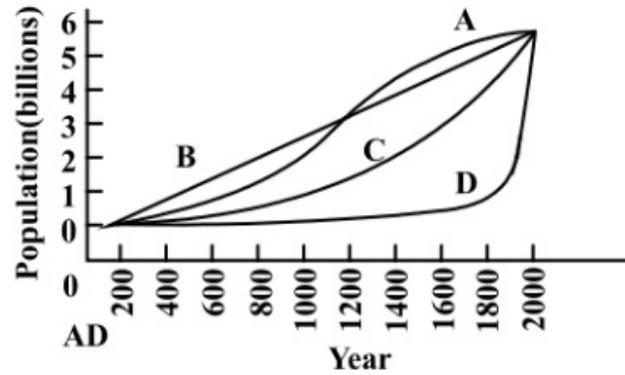
Question Description	The following figure has four curves namely A, B, C and D, Study the figure and answer the item that follows.
	Which curve indicates the exponential growth?
A	A
B	B
C	C
D	D
E	None of the above
Correct Answer	C
Marks	1

49

Question Description	Directions: Study the following information carefully and answer the questions given beside. In a tech exhibition, seven mobiles of seven different companies viz. Motorola, Sony, HTC, Oppo, Micromax, Lenovo and Apple were displayed in a row, facing north such that; (I) Motorola was immediate right of Apple. (II) Apple was fourth to the right of HTC. (III) Oppo was between Sony and Lenovo. (IV) HTC, which was third to the left of Sony, was at one of the ends. Which mobiles are on the immediate either sides of Motorola?
A	Sony and Oppo
B	Oppo and HTC
C	HTC and Micromax
D	Sony and Apple
E	None of the above
Correct Answer	E
Marks	1

50

Question Description

A has some coins. He gives half of the coins and 2 more to *B*. *B* gives half of the coins and 2 more to *C*. *C* gives half of the coins and 2 more to *D*. The number of coins *D* has now is the smallest two-digit number. How many coins does *A* have in the beginning?

A 76

B 68

C 60

D 52

E None of the above

Correct Answer D

Marks 1

51	Comprehension	Read the Following Passage and answer the questions below
		Volcanoes are often associated with earthquakes that occur in the same vicinity. But earthquakes can occur in regions where there are no volcanic eruptions, such as Assam, where in 1897 a major earthquake devastated an area of 150,000 thousand square miles. To the devastation caused by the upheaval itself was added that produced by the floods and storms which followed. Earthquakes of this kind are caused by the movements of "strata" or beds of rock at a weak place or 'fault" in the crust of the earth. Scientists believe that the process of mountain building is not yet complete and that earthquakes are the consequence. Fortunately, many earthquakes take place beneath the sea. These submarine earthquakes may have no serious effects. In 1755, however, a submarine upheaval produced a great tidal wave which caused enormous devastation and loss of life in Lisbon, capital of Portugal, before the waters receded.
	Question Description	In the passage the phrase "that produced by the floods" implies
	A	upheaval
	B	devastation
	C	volcanic eruption
	D	earthquake
	E	None of the above
	Correct Answer	B
	Marks	1

52

Comprehension	Read the Following Passage and answer the questions below
	Volcanoes are often associated with earthquakes that occur in the same vicinity. But earthquakes can occur in regions where there are no volcanic eruptions, such as Assam, where in 1897 a major earthquake devastated an area of 150,000 thousand square miles. To the devastation caused by the upheaval itself was added that produced by the floods and storms which followed. Earthquakes of this kind are caused by the movements of "strata" or beds of rock at a weak place or 'fault" in the crust of the earth. Scientists believe that the process of mountain building is not yet complete and that earthquakes are the consequence. Fortunately, many earthquakes take place beneath the sea. These submarine earthquakes may have no serious effects. In 1755, however, a submarine upheaval produced a great tidal wave which caused enormous devastation and loss of life in Lisbon, capital of Portugal, before the waters receded.
Question Description	The term "fault" as used in the passage means
A	something wrong in the earth's crust
B	not perfect strata
C	weak spot in the earth's crust
D	beds of rock
E	None of the above
Correct Answer	C
Marks	1

53	**Comprehension**	Read the Following Passage and answer the questions below
		Volcanoes are often associated with earthquakes that occur in the same vicinity. But earthquakes can occur in regions where there are no volcanic eruptions, such as Assam, where in 1897 a major earthquake devastated an area of 150,000 thousand square miles. To the devastation caused by the upheaval itself was added that produced by the floods and storms which followed. Earthquakes of this kind are caused by the movements of "strata" or beds of rock at a weak place or 'fault" in the crust of the earth. Scientists believe that the process of mountain building is not yet complete and that earthquakes are the consequence. Fortunately, many earthquakes take place beneath the sea. These submarine earthquakes may have no serious effects. In 1755, however, a submarine upheaval produced a great tidal wave which caused enormous devastation and loss of life in Lisbon, capital of Portugal, before the waters receded.
	Question Description	The passage implies that the "storms and floods" followed
	A	the upheaval
	B	the devastation
	C	the volcanic eruption
	D	the earthquake
	E	None of the above
	Correct Answer	D
	Marks	1

54	Comprehension	Read the Following Passage and answer the questions below
		Volcanoes are often associated with earthquakes that occur in the same vicinity. But earthquakes can occur in regions where there are no volcanic eruptions, such as Assam, where in 1897 a major earthquake devastated an area of 150,000 thousand square miles. To the devastation caused by the upheaval itself was added that produced by the floods and storms which followed. Earthquakes of this kind are caused by the movements of "strata" or beds of rock at a weak place or 'fault" in the crust of the earth. Scientists believe that the process of mountain building is not yet complete and that earthquakes are the consequence. Fortunately, many earthquakes take place beneath the sea. These submarine earthquakes may have no serious effects. In 1755, however, a submarine upheaval produced a great tidal wave which caused enormous devastation and loss of life in Lisbon, capital of Portugal, before the waters receded.
	Question Description	The passage mentions that submarine earthquakes
	A	have no serious effects at all
	B	have some serious effects
	C	have no serious effects in general
	D	have exceptionally serious effects
	E	None of the above
	Correct Answer	C
	Marks	1

55	Comprehension	Read the Following Passage and answer the questions below
		Volcanoes are often associated with earthquakes that occur in the same vicinity. But earthquakes can occur in regions where there are no volcanic eruptions, such as Assam, where in 1897 a major earthquake devastated an area of 150,000 thousand square miles. To the devastation caused by the upheaval itself was added that produced by the floods and storms which followed. Earthquakes of this kind are caused by the movements of "strata" or beds of rock at a weak place or 'fault" in the crust of the earth. Scientists believe that the process of mountain building is not yet complete and that earthquakes are the consequence. Fortunately, many earthquakes take place beneath the sea. These submarine earthquakes may have no serious effects. In 1755, however, a submarine upheaval produced a great tidal wave which caused enormous devastation and loss of life in Lisbon, capital of Portugal, before the waters receded.
	Question Description	Read the statement, "Volcanoes are associated with the earthquakes" and identify the correct option provided below, to arrive at the sense provided in the passage:
	A	as the latter occur in the same area as the former
	B	as the former occur in the neighbouring area as the latter
	C	as the latter hardly occur in the same area as the former
	D	as the latter often occur in the area nearby to the former
	E	None of the above
	Correct Answer	D
	Marks	1

| 56 | Comprehension | Read the Following Passage and answer the questions below:

In their classification of the stages in the evolution of civilizations archeologists use the names of the substances from which tools of different kinds were made. They use stone, bronze, iron, simply because these substances were used mainly for making of implements and weapons, and these objects, lost, broken, discarded or deliberately buried, have been able to resist, to some extent, the decay which occurs when most substances are exposed to oxidation. As well as the substances of which they were made, the way in which the tools themselves are made can characterize evolutionary changes since an implement is always made by an implement, even if it is only one piece of stone used to chip and grid another piece of stone. Food production is often taken to mark the transmission from savagery to barbarism. |
|---|---|---|
| | Question Description | Select the option that comes closest in meaning to what is meant in the passage as "a process by which various living organisms may have developed from earlier forms …" |
| | A | civilization |
| | B | evolution |
| | C | transmission |
| | D | barbarism |
| | E | None of the above |
| | Correct Answer | B |
| | Marks | 1 |

Comprehension	Read the Following Passage and answer the questions below: In their classification of the stages in the evolution of civilizations archeologists use the names of the substances from which tools of different kinds were made. They use stone, bronze, iron, simply because these substances were used mainly for making of implements and weapons, and these objects, lost, broken, discarded or deliberately buried, have been able to resist, to some extent, the decay which occurs when most substances are exposed to oxidation. As well as the substances of which they were made, the way in which the tools themselves are made can characterize evolutionary changes since an implement is always made by an implement, even if it is only one piece of stone used to chip and grid another piece of stone. Food production is often taken to mark the transmission from savagery to barbarism.
Question Description	From the options provided, select the antonym of the term evolution
A	revolution
B	involution
C	devolution
D	revulsion
E	None of the above
Correct Answer	C
Marks	1

57

58	Comprehension	Read the Following Passage and answer the questions below:
		In their classification of the stages in the evolution of civilizations archeologists use the names of the substances from which tools of different kinds were made. They use stone, bronze, iron, simply because these substances were used mainly for making of implements and weapons, and these objects, lost, broken, discarded or deliberately buried, have been able to resist, to some extent, the decay which occurs when most substances are exposed to oxidation. As well as the substances of which they were made, the way in which the tools themselves are made can characterize evolutionary changes since an implement is always made by an implement, even if it is only one piece of stone used to chip and grid another piece of stone. Food production is often taken to mark the transmission from savagery to barbarism.
	Question Description	"They use stone, bronze, iron simply because these substances were used mainly for the making of implements and weapons"
		Read the above statement and select the option that completes its sense as per the passage
	A	which have been able to resist decay and oxidation
	B	which have been able to partially resist decay, even when exposed to oxidation
	C	which have hardly been able to resist decay, when exposed to oxidation
	D	which have been able to somewhat resist decay when not exposed to oxidation
	E	None of the above
	Correct Answer	B
	Marks	1

59	Comprehension	Read the Following Passage and answer the questions below:
		In their classification of the stages in the evolution of civilizations archeologists use the names of the substances from which tools of different kinds were made. They use stone, bronze, iron, simply because these substances were used mainly for making of implements and weapons, and these objects, lost, broken, discarded or deliberately buried, have been able to resist, to some extent, the decay which occurs when most substances are exposed to oxidation. As well as the substances of which they were made, the way in which the tools themselves are made can characterize evolutionary changes since an implement is always made by an implement, even if it is only one piece of stone used to chip and grid another piece of stone. Food production is often taken to mark the transmission from savagery to barbarism.
	Question Description	In the context of the passage, identify the incorrect option from those provided below
	A	The substance and the way of making tools from it characterize evolutionary changes
	B	An implement is always an implement, even if it is just a piece of stone
	C	Food production is often seen as a transition from savagery to barbarism
	D	Archaeologists name the stages of evolution after the substances from which tools of that era have been made.
	E	None of the above
	Correct Answer	C
	Marks	1

60	Comprehension	Read the Following Passage and answer the questions below:
		In their classification of the stages in the evolution of civilizations archeologists use the names of the substances from which tools of different kinds were made. They use stone, bronze, iron, simply because these substances were used mainly for making of implements and weapons, and these objects, lost, broken, discarded or deliberately buried, have been able to resist, to some extent, the decay which occurs when most substances are exposed to oxidation. As well as the substances of which they were made, the way in which the tools themselves are made can characterize evolutionary changes since an implement is always made by an implement, even if it is only one piece of stone used to chip and grid another piece of stone. Food production is often taken to mark the transmission from savagery to barbarism.
	Question Description	Find a word or phrase from the passage that is a near-equivalent of the term "implements" as used in the passage
	A	substances used
	B	tools
	C	weapons
	D	objects
	E	None of the above
	Correct Answer	B
	Marks	1