

SUPERGRADS TEST SERIES

INDIA'S FINEST MOCK TESTS, STUDY MATERIAL & CLASSROOM TRAINING FOR
IPM INDORE, IPM ROHTAK, NPAT, CUET, SET & OTHER UG MANAGEMENT ENTRANCES.



MOCK TEST #1 (IIM IPM ROHTAK) TEST SERIES & CLASSROOM TRAININGS

PREP CENTRES: BHOPAL | INDORE | DELHI NCR | PUNE

Duration	: 120 Minutes	Candidate Name	: _____
Max. Marks	: 480	Batch	: _____
Centre Name	: _____	Contact No.	: _____
		Date of Exam	: _____

INSTRUCTIONS TO CANDIDATES

1. No clarification on the question paper can be sought. Answer the questions as they are.
2. There are 120 multiple choice objective type questions.
3. Each question carries **FOUR** mark. **Total marks are 480.**
4. There is a negative marking of 1 marks for every incorrect answer.
5. Candidates have to indicate the correct answer by darkening one of the four responses provided, with a **BALL PEN (BLUE OR BLACK)** in the **OMR** Answer Sheet.

Right Method

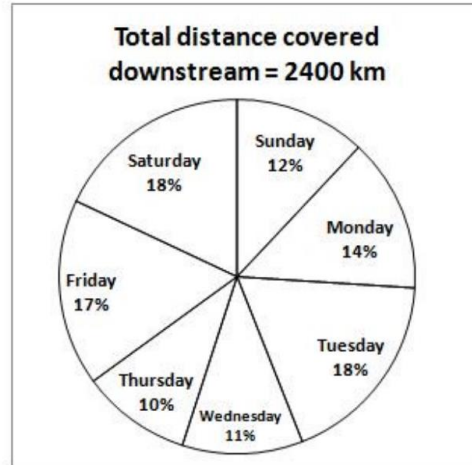
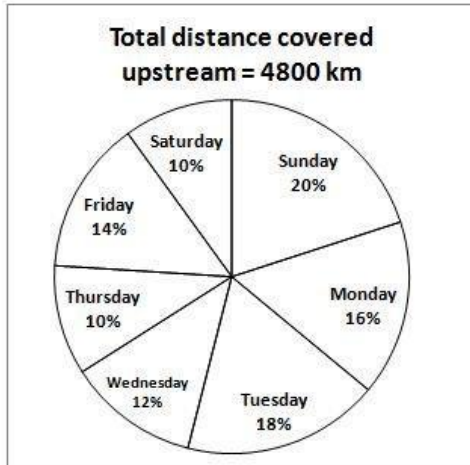
Wrong Methods



6. Answering the questions by any method other than the method indicated above shall be considered incorrect and no marks will be awarded for the same.
7. More than one response to a question shall be counted as wrong.
8. The candidate shall not write anything on the OMR Answer Sheet other than the details required and in the spaces provided for.
9. After the Test is over, the candidate has to return the OMR Answer Sheet to the invigilator. The candidate should take the Test Paper along with them.
10. The use of any unfair means by any candidate shall result in the cancellation of his/her candidature.
11. Electronic gadgets like mobile phones, pagers or calculators are strictly not permitted inside the Test Centre/Hall.
12. The candidates shall not leave the hall before the Test is over.

SECTION – A: QUANTITATIVE ABILITY

Directions (1 -5): Study the data given below and answer the following questions. The pie charts shown below shows the distance covered by a boat moving upstream and downstream in different days of a week. And the table shows the speed of stream in km/hr. in different days of a week.



Day	Speed of stream (km/hr)
Monday	5
Tuesday	2
Wednesday	6
Thursday	—
Friday	1
Saturday	—
Sunday	3

- If the time taken by boat to travel upstream on Wednesday is $\frac{6}{7}$ times than the time taken to travel downstream on Monday and the speed of boat in still water on Monday is 15 kmph then find the speed of boat in still water on Wednesday? (speed of boat in still water is different for different days)

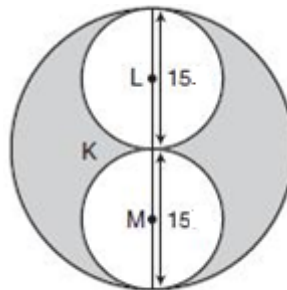
(a) 52 kmph (b) 62 kmph (c) 42 kmph (d) 46kmph
- If the time taken by boat to travel upstream on Monday is $27 \frac{1}{5}$ hrs. more than the time taken by it to travel downstream on the same day, then find the speed of boat in still water on Monday ? (speed of boat in still water is same in upstream as in downstream)

(a) 25 kmph (b) 18kmph (c) 20 kmph (d) 15 kmph

SPACE FOR ROUGH WORK

3. If the speed of boat in still water on Saturday was 27 km/hr and the speed of boat in still water on Wednesday was $66\frac{2}{3}\%$ more than that of Saturday and time taken to travel upstream on Wednesday is $\frac{16}{13}$ times than time taken by it to travel downstream on Saturday, then find the speed of stream (in kmph) on Saturday?
 (a) 2 (b) 4 (c) 9 (d) 8
4. The speed of boat in still water on Saturday was 21 km/hr. and that on Sunday was $28\frac{4}{7}\%$ more than that on Saturday, if the time taken by boat to travel upstream on Saturday is $\frac{21}{2}$ times than time taken to travel downstream on Sunday, then find the time taken by the boat to cover a distance of 125 km upstream on Saturday?
 (a) 6 hrs. 45 min. (b) 2 hrs. 45 min.
 (c) 4 hrs. 30 min. (d) 6 hrs. 15 min.
5. If the time taken by boat to travel upstream on Friday is 30 hours more than the time taken by it to travel downstream on Wednesday and the speed of boat in still water on Friday is 17 kmph, then find the upstream speed of boat on Wednesday? (speed of boat in still water is different on different days)
 (a) 27 kmph (b) 22 kmph (c) 20 kmph (d) 10kmph
6. A Container contains 'X' Liters of Milk. A thief stole 50 Liters of Milk and replaced it with the same quantity of water. He repeated the same process further two times. And thus Milk in the container is only 'X-122' liters. Then what is the quantity of water in the final mixture?
 (a) 122 Liter (b) 124 Liter (c) 128 Liter (d) 250 Liter
7. Veena has to pay Rs. 2460 to Sita, 5 Months later at 6% SI per annum, and Gita has to pay Sita same amount at 7.5% SI per annum after certain months. If both took the same amount of loan from Sita then Gita paid loan after how many months?
 (a) 3 Months (b) 4 Months (c) 6 Months (d) 12 Months

Directions (Q.8 and Q.9): Use the figure below to answer questions 8 through 9.



8. What is the area of the shaded figure?
 (a) 56.25 square unit (b) 112.5 square unit
 (c) 225 square unit (d) 353.5 square unit

SPACE FOR ROUGH WORK

9. What is the ratio of the area of Circle M and the area of Circle K?
(a) 1:8 (b) 1:4 (c) 1:2 (d) 1:1
10. Train A takes 45 minutes more than train B to travel 450 km. Due to engine trouble, speed of train B falls by a quarter. So it takes 30 minutes more than Train A to complete the same journey. Find the speed of Train A.
(a) 120 km/hr (b) 110 km/hr (c) 100 km/hr (d) 90 km/hr
11. One Trader calculates the percentage of profit on the buying price and another calculates on the selling price. When their selling prices are same, then the difference of their actual profit is Rs 85 and both claim to have made 20 % profit. What is the selling price for each?
(a) Rs 3000 (b) Rs 2550 (c) Rs 2800 (d) Rs 4000
12. Due to increase of 20% in the price of eggs, 2 eggs less are available for Rs 24. The present rate of eggs per dozen is
(a) Rs. 28.8/dozen (b) Rs 24.8/dozen (c) Rs 25.8/dozen (d) Rs 30/dozen
13. $\sin\left(\frac{13\pi}{6}\right) = ?$
(a) $\frac{1}{2}$ (b) $\frac{1}{\sqrt{2}}$ (c) $\frac{1}{\sqrt{3}}$ (d) $\sqrt{3}$
14. Fruits were purchased for Rs 350. 9 boys ate $\frac{3}{5}$ th of them in 2 hours. 6 boys feel their stomach as full so do not eat further. In how many hours the remaining fruits will get finished by remaining boys?
(a) 2 hours (b) 3 hours (c) 5 hours (d) 4 hours
15. If minimum value of $f(x) = x^2 + 2bx + 2c^2$ is greater than the maximum value of $g(x) = -x^2 - 2cx + b^2$, then for real value of x
(a) $|c| > |b|\sqrt{2}$ (b) $|c|\sqrt{2} > b$
(c) $0 < c < \sqrt{2}b$ (d) no real value of a
16. The set of all real numbers x for which $x^2 - |x + 2| + x > 0$, is
(a) $(-\infty, -2) \cup (2, \infty)$ (b) $(-\infty, -\sqrt{2}) \cup (\sqrt{2}, \infty)$
(c) $(-\infty, -1) \cup (1, \infty)$ (d) $(\sqrt{2}, \infty)$
17. What should come at the place of question mark?
46080, 3840, 384, 48, 8, 2, ?
(a) 1 (b) $\frac{1}{64}$ (c) $\frac{1}{8}$ (d) None of these
18. A hall is 15 m long and 12 m broad. If the sum of the areas of the floor and the ceiling is equal to the sum of the areas of four walls, the volume of the hall is:
(a) 700 (b) 1200 (c) 900 (d) 1800

SPACE FOR ROUGH WORK

19. The sum of third and ninth term of an A.P is 8. Find the sum of the first and 11th terms of the progression.
 (a) 44 (b) 22 (c) 19 (d) None of the above
20. Given $A = 2^{65}$ and $B = (2^{64} + 2^{63} + 2^{62} + \dots + 2^0)$, which of the following is true?
 (a) B is 264 larger than A (b) A and B are equal
 (c) B is larger than A by 1 (d) A is larger than B by 1
21. A line from center to circumference of a circle is known as
 (a) Diameter (b) radius (c) area (d) midpoint
22. A bag contains 4 blue, 5 white and 6 green balls. Two balls are drawn at random. What is the probability that one ball is white?
 (a) 10/21 (b) $\frac{1}{2}$ (c) $\frac{3}{4}$ (d) 2/35
23. Two pipes P and Q can fill a tank in 20hrs and 25hrs respectively while a third pipe R can empty the tank in 30hrs. If all the pipes are opened together for 10hrs and then pipe R is closed then in what time the tank can be filled.
 (a) 400/23hrs (b) 400/27hrs (c) 200/23hrs (d) 200/27hrs
24. Given ratio are $a:b = 2:3$ and $b:c = 5:2$ and $c:d = 1:4$. Find $a:b:c$.
 (a) 2:3:6 (b) 4:5:6 (c) 10:15:6 (d) 1:5:7
25. If there are Rs 495 in a bag in denominations of one-rupee, 50 paise and 25 paise coins, which are in the ratio 1 : 8 : 16. How many 50 paise coins are there in the bag?
 (a) 50 (b) 220 (c) 440 (d) None of these
26. What decimal of an hour is a second
 (a) 0.0028 (b) 0.0027 (c) 0.0026 (d) 0.0025
27. What will be vulgar fraction of 0.0056
 (a) 7/1150 (b) 7/1175 (c) 7/1250 (d) 7/1275
28. One-fifth of a number is equal to 5/8th of another number. If 35 is added to the first number, it becomes four times of the second number. Find the second number.
 (a) 39 (b) 70 (c) 40 (d) 25
29. If $* = +, \div = - , + = x, - = \div$ then $43 \times 561 + 500 - 100 \div 10 = ?$
 (a) 3211 (b) 2388 (c) 2883 (d) 2838

SPACE FOR ROUGH WORK

30. A circle is inscribed in an equilateral triangle of side 24 cm, touching its sides. What is the area of the remaining portion of the triangle?
 (a) $144\sqrt{3} - 48\pi$ cm² (b) $121\sqrt{3} - 36\pi$ cm²
 (c) $144\sqrt{3} - 36\pi$ cm² (d) $121\sqrt{3} - 48\pi$ cm²
31. A clock strikes 4 taking 9 seconds. In order to strike 12 at the same rate, the time taken is
 (a) 33 seconds (b) 30 seconds (c) 36 seconds (d) 27 seconds
32. John's present age is one fourth of his father's age two years ago. John's father's age will be twice Raman's age after 10 years. If Raman's 12th birthday was celebrated 2 years ago, then what is John's present age?
 (a) 5years (b) 7years (c) 9years (d) 11years
33. Raj invested Rs 76000 in a business. After few months Monty joined him and invests Rs 57000. At the end of the year, both of them share the profits at the ratio of 2:1. After how many months Monty joined Raj?
 (a) 4 Months (b) 7 Months (c) 8 Months (d) 12 Months
34. Work done by P in one day is double the work done by Q in one day and work done by Q in one day is thrice the work done by R in one day. If P, Q and R together can complete the work in 30 days then in how many days P alone can do the work?
 (a) 52 days (b) 42 days (c) 30 days (d) 50 days
35. A boatman goes 2 km against the current of the stream in 1 hour and goes 1 km along the current in 10 minutes. How long will it take to go 5 km in stationary water?
 (a) 40 minutes (b) 1 hour (c) 1 hr 15 min (d) 1 hr 30 min
36. Simplification: $25^{2.7} \times 5^{4.2} \div 5^{5.4} = ?$
 (a) 5^4 (b) $5^{3.2}$ (c) $5^{4.1}$ (d) $5^{4.2}$
37. $18800 \div 470 \div 20 = ?$
 (a) 1 (b) 2 (c) 3 (d) 4
38. Find the HCF of $\frac{2}{3}$, $\frac{4}{9}$, $\frac{8}{27}$
 (a) $\frac{2}{27}$ (b) $\frac{8}{3}$ (c) $\frac{2}{3}$ (d) $\frac{8}{27}$
39. If $\log 2$, $\log (2x - 1)$ and $\log (2x + 3)$ are in A.P, then x is equal to
 (a) $\frac{5}{2}$ (b) $\log 25$ (c) $\log 32$ (d) $\frac{3}{2}$
40. If $A = x\%$ of y and $B = y\%$ of x , then which of the following is true?
 (a) A is smaller than B.
 (b) A is greater than B
 (c) Relationship between A and B cannot be determined.
 (d) None of These.

SPACE FOR ROUGH WORK

SECTION – B: LOGICAL REASONING

41. If in a certain code language 'PERFECT' is written as '116', then how will 'SUPERGRADS' be written in that code?
 (a) 142 (b) 120 (c) 113 (d) 117

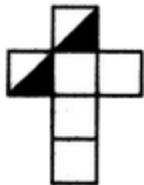
Directions (Q.42 and Q.43): Each question is followed by two statements, A and B. Answer each question using the following instructions.

- (a) If the question can be answered by using statement A alone but not by using B alone.
- (b) If the question can be answered by using statement B alone but not by using A alone.
- (c) If the question can be answered by using either statement alone.
- (d) If the question can be answered by using both the statements together.

42. Four friends, P, Q, R and S got the top four ranks in a competitive examination, but P did not get the first, Q did not get the second, R did not get the third, and S did not get the fourth rank. Who secured which rank?
 A. Neither P nor S were among the first two.
 B. Neither Q nor R was third or fourth.

43. In a cricket match the 'man of the match' award is given to the player scoring the highest number of runs. In case of tie, the player (out of those locked in the tie) who has taken the higher number of catches is chosen. Even thereafter if there is a tie, the player (out of those locked in the tie) who has dropped fewer catches is selected. Amar, Akbar and Antony who were contenders for the award dropped at least one catch each. Akbar dropped 2 catches more than Amar did, scored 50, and took 2 catches. Antony got two chances to catch and dropped both. Who was the 'man of the match'?
 A. Antony made 15 runs less than both Amar and Akbar.
 B. The catches dropped by Akbar are 1 more than the catches taken by Amar.

44. Choose the box that is similar to the box formed from the given sheet of paper (X).



(X)



(1)



(2)



(3)



(4)

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

SPACE FOR ROUGH WORK

Directions (Q.45 and Q.46): In each question below, there are three statements followed by conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly none facts and then decide which of the given conclusion logically follow(s) from the given statements.

45. Statements: a. All bricks are flowers.
b. Some houses are flowers.
c. All pens are houses.
Conclusions: I. Some houses are bricks.
II. Some pens are flowers.
III. Some flowers are bricks.
IV. No pen is flower.
(a) Only either II or IV and III follow
(b) Only either II or IV and I follow
(c) None follows
(d) All follow
46. Statements: a. No house is a school.
b. All colleges are schools.
c. All schools are teachers.
Conclusions: I. No house is a teacher.
II. All colleges are teachers.
III. Some teachers are not houses.
IV. No college is a house.
(a) Only either I or IV follows
(b) Only II, III and IV follow
(c) Only either I or IV and III follow
(d) None follows
47. Deepak said to Nitin, "That boy playing with the football is the younger of the two brothers of the daughter of my father's wife". How is the boy playing football related to Deepak?
(a) Son (b) Brother (c) Cousin (d) Brother-in-law

Directions (Q.48 and Q.49): In each questions, a pair of words is given, followed by four pairs of words as alternatives. The candidate is required to choose the pair in which the words bear the same relationship to each other as the words of the given pair bear.

48. Numismatist : Coins
(a) Philatelist : Stamps (b) Jeweler : Jewels
(c) Cartographer : Maps (d) Geneticist : Chromosomes
49. Agenda : Meeting
(a) Programme : Function (b) Performance : Ticket
(c) Map : Scale (d) Footnote : Article

SPACE FOR ROUGH WORK

55. Who among following is wife of B?
 (a) C (b) F (c) G (d) H
56. Who among following sits third to right of daughter of F?
 (a) E (b) B (c) H (d) C

57. Which of the answer figures is exactly mirror image of given figure?

Question Figures:

654

Answer Figures:

997 456 456 654

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

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

Directions (Q.58 – Q.60): Study the information and answer the given questions:

Eight employees A, B, C, D, E, F, G and H will have to take the leave in the months of January, March, July and November but not necessarily in the same order. In each month, they all will take a leave on either 8th or 19th of the given month. Not more than two employees will take a leave on the same month. Only one employee will take a leave on each day. Only one person will take a leave before the G. More than three persons will take a leave between G and A. Only one person will take a leave between A and H. Two persons will take a leave between H and B. Only one person will take a leave between B and F. Two persons will take a leave between F and C. D will take a leave one of the days after E. Neither D nor E will take a leave on 19th of the any of the given month.

58. Who among following will take a leave on 8th November?
 (a) A (b) C (c) G (d) D
59. H will take a leave on which date and month?
 (a) 8th March (b) 19th July (c) 8th July (d) 19th March
60. Who among following will take a leave on March month?
 (a) B, C (b) F, B (c) G, H (d) A, C
61. Do as directed.

Statement: "Very few dollars are there in my pocket"

If the above statement is definitely true, which of the following is false?

- (a) I have zero dollars in my pocket.
 (b) I should have at least some dollars in pocket.
 (c) I can have 100 dollars in my pocket.
 (d) Cannot be determined.

SPACE FOR ROUGH WORK

Directions (Q.62 and Q.63): Each of the questions below consists of a questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and give answer

- (a) if the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- (b) if the date either in statement I alone or in statement II alone are sufficient to answer the question.
- (c) if the data even in both statements I and II together are not sufficient to answer the question.
- (d) if the data in both statements I and II together are necessary to answer the question.

62. Are all the five friends viz. Leena, Amit, Arun, Ali and Ken who are seated around a circular table facing the centre?
- I. Leena sits second to left of Amit. Amit faces the centre. Arun sits second to right of Leena.
 - II. Ali sits third to the left of Ken. Ken faces the centre. Amit sits to the immediate left of Ali but Ken is not an immediate neighbour of Amit.

63. Is T grandmother of Q?
- I. P is the mother of Q. Q is the son of R. R is the son of T.
 - II. L is father of N and N is daughter of T.

Directions (Q.64 and Q.65): Find out the number that would replace the question mark (?) in each of the following questions.

64. 3, 14, 39, 84, 155, ?
- (a) 258 (b) 316 (c) 415 (d) 324
65. 6, 15, 35, 77, 143. _?
- (a) 283 (b) 292 (c) 221 (d) 305
66. A clock is set right at 6 am. The clock losses 16 min in 24 h. what will be true time, if the clock indicates 11 pm on 4th day?
- (a) 12 o'clock (b) 11 pm (c) 9 PM (d) 2 pm
67. Find out the wrong term in the following series:
6 18 50 149 446
- (a) 6 (b) 18 (c) 50 (d) 149
68. In a certain code, TEAMWORK is written as NBFUJQNV and SOME is written as PTDL. How is PERSON written in that code?
- (a) QDOOPT (b) QDOMNR (c) SFQMNR (d) SFQOPT
69. If the animals which can walk are called swimmers, animals who crawl are called flying, those living in water are called snakes and those which fly in the sky are called hunters, then what will a lizard be called?
- (a) Swimmers (b) Snakes (c) Flying (d) Hunters

SPACE FOR ROUGH WORK

Directions (Q.70): A statement followed by three assumptions numbered I, II and III are given. An assumption is something supposed or taken for granted. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement, then decide which of the answers (a), (b), (c) or (d) is correct.

70. **Statement:** Considering the tickets sold during the last seven days, the circus authorities decided to continue the show for another fortnight which includes two weekends.

Assumptions:

- I. People may not turn up on week days.
- II. The average number of people who will be visiting circus will be more or less same as that of the last seven days.
- III. There may not be enough response at other places.

(a) Only I is implicit (b) Only II is implicit (c) I and II are implicit (d) All are implicit

Directions (Q.71): In the question below is given a statement followed by two assumptions. On the basis of the information given in the statement, you have to assume everything in the statement to be true then decide which of the suggested courses of actions is worth pursuing.

71. **Statement:** Technology has not only bridged gaps but has also created new ones.

Assumptions:

- I. Life without modern technology was much better.
- II. Technology should be used strictly on a limited basis.

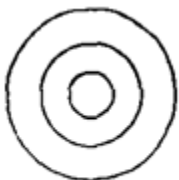
(a) Only I is implicit (b) Only II is implicit (c) I and II are implicit (d) All are implicit

72. Pratham travels 10 metres in North direction, he turns right and travels 20 metres. Again, he turns towards right and travels 25 metres. Then, he turns towards left and travels 15 metres. In which direction and how far is Pratham from his original position?

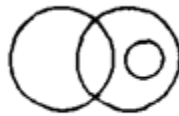
- (a) 35 metres, East
- (b) 38.07 metres, South-East
- (c) 25.08 metres, West
- (d) 25 metres, North-Ea

Directions (Q.73): Given below are four possible membership schemes. In each case, mark the one you feel appropriate description of the three listed items.

73. Words with no vowel, Words with at most one vowel, Words with at least two vowels



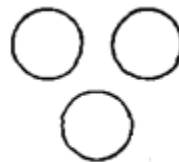
(a)



(b)



(c)



(d)

SPACE FOR ROUGH WORK

Directions (Q.74 and Q.75): In these type of questions a statement is given followed by some conclusions. The student is required to go through the statements meticulously and then decide which of the given conclusion/s follows on its basis.

74. **Statement:** Vegetable prices are soaring in the market.

Conclusions:

I. Vegetables are becoming a rare commodity.

II. People cannot eat vegetables.

(a) only conclusion I follows.

(b) only conclusion II follows.

(c) either I nor II follows.

(d) neither I nor II follows.

75. **Statement:** All the organised persons find time for rest. Sunitha, inspite of her very busy schedule, finds time for rest.

Conclusions:

I. Sunita is an organised person.

II. Sunita is an industrious person.

(a) only conclusion I follows.

(b) only conclusion II follows.

(c) either I nor II follows.

(d) both I and II follow

Directions (Q.76 - Q.78): Study the given information and answer the questions:

When a word and number arrangement machine is given an input line of words and numbers, it arranges them following a particular rule. The following is an illustration of input and its rearrangement.

Input: press 81 zone 63 high 83 our 39 simply 28

Step I: 39 press 81 zone 63 high 83 our 28 simply

Step II: 83 39 81 zone 63 high our 28 simply press

Step III: 63 83 39 81 zone high 28 simply press our

Step IV: 28 63 83 39 81 zone simply press our high

Step V: 81 28 63 83 39 simply press our high zone

Step V is the last step of the above arrangement as the intended arrangement is obtained.

As per the rules followed in the given steps find out the appropriate steps for the given input.

Input: debt 51 meau 62 loved 36 full 91 means 72

76. In which step the elements 'full 91 meau' found in the same order?

(a) Step I

(b) Step IV

(c) Step V

(d) none of these

77. In step III, '51' is related to 'full' and '91' is related to 'debt'. In the same way '62' is related to?

(a) 36

(b) loved

(c) 51

(d) full

SPACE FOR ROUGH WORK

78. Which of the following is the second step of the arrangement based on the given input?
(a) 72 36 51 62 loved full 91 means meau debt
(b) 72 36 51 62 loved 91 full means meau debt
(c) 72 36 51 62 loved full 91 meau debt means
(d) 72 36 51 62 loved full 91 means debt meau
79. Ram is half as old as Shyam, who is three times as old as Prakash. The sum of their ages is 55. How old is Ram?
(a) 5 (b) 8 (c) 10 (d) 15
80. Seven years ago Anu was A times as old as Kitu was. If Anu is now 18 years old, how old is Kitu now in terms of A (in years)?
(a) $11/A + 7$ (b) $A/11 + 7$ (c) $17 - A/7$ (d) $17/A$

SPACE FOR ROUGH WORK

SECTION – C: VERBAL ABILITY

Directions (Q.81 - Q.86): Some of the sentences are grammatically correct and some are incorrect. Find out which part of the sentence has an error and mark that part. If there is no error, mark that part as your answer.

81. I am told that Anjali has been (a)/ suffering from fever(b)/ since ten days. (c)/No error (d)
82. The armed forces have been working around the clock(a)/ to bring a semblance(b)/ of normality in the flood affected areas.(c)/ No error(d)
83. This is the second communication we have sent(a)/ and we are much surprised(b)/ at receiving no answer.(c)/ No error(d)
84. Several guests noticed Mr. Sharma(a)/ falling back in his chair (b)/and gasping for breath.(c)/ No error (d)
85. His assistants have(a)/ and are still doing(b)/ excellent work for the organization.(c)/ No error (d)
86. The ebb and flow of the tides (a)/ are (b)/ now understood (c)/ No error (d)

Directions (Q.87 - Q.91): Read the following passages carefully and choose the best answer for each of the questions that follow.

The concept of sculpture has changed so much in recent decades that most of what is currently classified as sculpture bears little resemblance to the millennia-old tradition of carved or cast figures. Practically any three-dimensional object serving a decorative, aesthetic or conceptual purpose is now viewed as sculpture. The shift occurred in the 1960s when Donald Judd argued that his planar wooden forms were not sculptures since they were neither "sculpted" nor statues. Sculpture, he proclaimed in 1965, "is finished." In the late '60s, Earth artist Michael Heizer declared that "the idea of sculpture has been destroyed, put down." But sculpture, like painting, refused to die; instead, it was redefined to include the works of the very artists who rejected it.

Two major exhibitions of Jessica Stockholder's work have recently provided the opportunity to consider these issues. A new installation, *Sam Ran Over Sand or Sand Ran Over Sam*, was created for the Rico University Art Gallery in Houston, while "Jessica Stockholder, *Kissing the Wall: Works, 1988-2003*" surveys Stockholder's portable sculptures, which she calls "studio works." The latter show debuted at the Blaffer Gallery, Art Museum of the University of Houston. Together, the two shows offered in-depth access to this prolific midcareer artist's production, which reveals surprisingly little change over the course of 16 years. Throughout, she has maintained a consistent level of energy and formal complexity.

The wall is a significant component in Stockholder's work. The freestanding pieces, begun five years after she developed her spacious installations, utilize it to support pictorial elements such as mirrors or painted and assembled backdrops. Many works are connected to the wall by wires or electrical cords, which generate an invisible but dynamic source of energy in her work. Like colour, which Stockholder uses liberally, the wall is typically an issue for painting rather than sculpture. Merging the two mediums, all the works in the exhibition, except one, were related to the wall in some fashion.

In *Kissing the Wall #5 with Yellow* (1990) a metal chair, covered with painted-over spools of thread and wool, and glued-on newspapers, conceals a light bulb mounted on a wooden panel behind it. The bulb illuminates a yellow rectangle of paper taped to the wall behind the chair. Because important aspects of each work are unavailable from a frontal vantage point, Stockholder's sculptures are in no way pictorial; they don't offer three-dimensionality compressed into a picture when seen from a single, static point of view. It does make sense, however, to describe her colourful, space-consuming sculptures as painterly. Mark di Suvero's early comment that his "sculpture is painting in three dimensions" is echoed in Stockholder's remark, quoted in the exhibition catalogue: "I didn't stop making paintings and start making sculpture. I still make paintings, only they are also sculpture."

Colour is crucial to Stockholder's work. While it often appears arbitrary (but rarely inappropriate), her palette is peculiarly her own. Her colours are high-key and opaque. Recalling darker tints of house paint (most of which are derived from a white base), the latex and acrylic colors applied to her sculptures are especially plastic-like in hue and texture creating a paint quality that coincides with her use of brightly colored plastic objects.

87. As per the passage Stockholder's sculptures cannot be called 'pictorial' because
- they give a three-dimensional appearance
 - they give only a two-dimensional impression
 - they are not like ordinary pictures where three dimensionality is presented in a two dimension form
 - they don't give the viewer a clear cut idea of the artist's intention
88. What does 'palette' in the passage mean?
- theme
 - range of colors
 - interpretation of colors
 - the surface on which an artist paints
89. The author has dealt with the two major exhibitions of Jessica Stockholder's work elaborately because the shows
- offer an in depth access to her production
 - depict the consistent level of energy and formal complexity maintained by the artist
 - illustrate that sculpture is not finished
 - capture the idea that 'sculpture' encompasses any three dimensional object serving a decorative, aesthetic or conceptual purpose
90. According to the author, the use of wall as a component in Stockholder's work
- signifies that the wall represents an invisible but dynamic source of energy in her work
 - shows it to be a piece of painting rather than sculpture
 - stands as a testimony to the fusion of the two mediums, painting and sculpture
 - shows she meant her works to be considered as paintings primarily
91. Which among the following is NOT TRUE, according to the passage?
- stockholder makes use of only natural colours in her work
 - stockholder's work necessitates the movement of the viewer around her pieces thus ensuring their physical involvement
 - onald judd's works of art have been accepted as sculptures
 - one piece in the exhibition of stockholder's work did not make use of the wall concept

Directions (Q.92 and Q.93): The passage given below are followed by four summaries each. For each question, choose the option that best captures the essence of the paragraph.

92. To the casual observer, a caterpillar's bright coloring, fuzzy exterior and funny shape are a sight to behold. However, these same bright hues that we marvel at tell potential predators that the caterpillar is poisonous. In fact, many caterpillars defend themselves with venom that is released through the tips of fine hairs or spines on their bodies. Physical attributes aren't the only way that caterpillars defend themselves. Some caterpillars have developed the ability to make whistling or clicking noises. This group includes the walnut sphinx moth (the caterpillar of which can whistle through holes in its sides) and the hickory tussock caterpillar, which emits an ultrasonic click when threatened. Scientists were unable to understand why caterpillars whistle at first, but years of research has revealed that these noises are meant to mimic alarm sounds made by birds. The noise alerts birds to danger and prevents them from snapping up the caterpillars for a tasty treat. Some researchers say that the sounds also confuse bats.
- While some caterpillars defend themselves from predators by releasing venom, some make clicking noises or whistling sounds that scare the birds away.

- (b) To evade predators, caterpillars have adapted in a variety of ways and their biological defense mechanism depends on the type of predator they need to avoid.
- (c) Caterpillars make noises meant to mimic alarm sounds made by birds and this noise alerts birds to danger and prevents them from snapping up the caterpillars for a tasty treat.
- (d) Research suggests that caterpillars whistle when pecked at by birds, and they sometimes click, too, suggesting they may have more than just physical attributes to worm their way out of trouble.
93. It's one of the most familiar sights in Australia — a yellow diamond, with a black chunk sliced out in one corner. You've probably seen it on TV or online several times today and it hangs from hundreds — if not thousands — of branches. The Commonwealth Bank logo is so recognisable, these days the bank doesn't even use its full name in its advertising confident Australians will know the company by its logo alone. But the Comm Bank logo has more to it than meets the eye. At least, initially. Squirrelled away in that diamond is the Southern Cross constellation. It's one of many logos — in Australia and abroad — that offer more than they are immediately letting on.
- (a) A surprisingly simple logo introduced by the Commonwealth Bank is a shape based on the formation of the Southern Cross constellation — each corner represents one of the five stars, with the black wedge completes the diamond shape.
- (b) Hidden within the well-known logo of Australia's Commonwealth Bank, which is simply a yellow diamond, with a black chunk sliced out in one corner, is the Southern Cross constellation.
- (c) The Commonwealth Bank needed a shape that could still include the colours yellow and black and it had to be a memorable shape in contrast to the bank's competition and a diamond breaks up the black and yellow colours.
- (d) The Commonwealth Bank's logo is based on the formation of the Southern Cross - constellation with the yellow section linking the five stars of the Southern Cross, and the black portion completing the geometrical shape.

Directions (Q.94 - Q.97): Read the following passage carefully and answer the questions that follow.

In the modern scientific story, light was created not once but twice. The first time was in the Big Bang when the universe began its existence as a glowing, expanding, fireball which cooled off into darkness after a few million years. The second time was hundreds of millions of years later when the cold material condensed into dense nuggets under the influence of gravity, and ignited to become the first stars.

Sir Martin Rees, Britain's astronomer royal, named the long interval between these two enlightenments the cosmic "Dark Age". The name describes not only the poorly lit conditions, but also the ignorance of astronomers about that period. Nobody knows exactly when the first stars formed or how they organised themselves into galaxies or even whether stars were the first luminous objects. They may have been preceded by quasars, which are mysterious, bright spots found at the centres of some galaxies.

Now two independent group of astronomers, one led by Robert Becker of the University of California, Davis and the other by George Djorgovski of the Caltech, claim to have peered far enough into space with their telescopes (and therefore backwards enough in time) to observe the closing days of the Dark Age.

The main problem that plagued previous efforts to study the Dark Age was not the lack of suitable telescopes but rather the lack of suitable things at which to point them. Because these events took place over 18 billion years ago, if astronomers are to have any hope of unravelling them they study objects that are at least 13 billion light years away. The best prospects are quasars, because they are so bright and compact that they can be seen across vast stretches of space. The energy source that powers a quasar is unknown although it is suspected to be the intense gravity of a giant black hole. However at the distances required for the study of Dark Age, even quasars are extremely rare and faint.

Recently some members of Dr. Seeker's team announced their discovery of the four most distant quasars known. All the new quasars are terribly faint, a challenge that both teams overcame by peering at them through one of the twin Keck telescopes in Hawaii. These are the world's largest and can therefore collect the most light. The new work by Dr. Becker's team analysed the light from all four quasars. Three of them appeared to be similar to ordinary, less distant quasars. However, the fourth and most distant, unlike any other quasar ever seen, showed unmistakable signs of being shrouded in a fog of hydrogen gas. This gas is left over material from the Big Bang that did not condense into stars or quasars. It acts like fog because new born stars and quasars emit mainly ultraviolet light, and hydrogen gas is opaque to ultraviolet. Seeing this fog had been the goal of would be Dark Age astronomers since 1965, when James Gunn and Bruce Peterson spelled out the technique for using quasars as backlighting becomes to observe the fog's ultraviolet shadow.

The fog prolonged the period of darkness until the heat from the first stars and quasars had the chance to ionise the hydrogen (breaking it into its constituent parts, protons and electrons). Ionised hydrogen is transparent to ultraviolet radiation, so at that moment the fog lifted and the universe became the well-lit place it is today. For this reason, the end of the Dark Age is called the "Epoch of Re-ionisation". Because the ultraviolet shadow is visible only in the most distant of the four quasars, Dr. Becker's team concluded that the fog had dissipated completely by the time the universe was about 900 million years old, and one-seventh of its current size.

94. In the passage, the Dark Age refers to :
- the period when the universe became cold after the Big Bang
 - a period about which astronomers know very little
 - the medieval period when cultural activity seemed to have come to an end
 - the time that the universe took to heat up after the Big Bang
95. Astronomers find it difficult to study the Dark Age because:
- suitable telescopes are few
 - the associated events took place aeons ago
 - the energy source that powers a quasar is unknown
 - their best chance is to study quasars, which are faint objects to begin with
96. The four distant quasars discovered recently :
- could only be seen with the help of large telescopes
 - appear to be similar to other ordinary quasars
 - appear to be shrouded in a fog of hydrogen gas
 - have been sought to be discovered by Dark Age astronomers since 1965
97. The fog of hydrogen gas seen through the telescopes :
- is transparent to hydrogen radiation from stars and quasars in all states
 - was lifted after heat from stars and quasars ionised it
 - is material which eventually became stars and quasars
 - is broken into constituent elements when stars and quasars are formed

Directions: (Q.98 - Q.100): For each of the following questions, a part or the whole of the original sentence has been underlined. You have to find the best way of writing the underlined part of the sentence.

98. If you are on a three-month product development project and, in two weeks, you've put together a system that solves part of the problem, show it to your boss without delay.
- and, you've put together a system that solves part of the problem in two weeks
 - and, in two weeks, you've put together a system that solves part of the problem
 - and, you've put together a system that has solved part of the problem in two weeks
 - and, in two weeks you put together a system that solved only part of the problem

99. If you are health conscious, work on your diet plan, a balanced diet is accomplished by eating many different kinds of food.
- a balanced diet is achieved by eating many different kinds of food
 - a balancing diet is achieved by eating many different kinds of food
 - a balanced diet is accomplished with eating many different kinds of food
 - a balanced diet is accomplished with the eating of many different kinds of food
100. No one should question the relevance of computer education in the present time; computers give us an easier access to information.
- computers give us an easier access to information
 - computers give us an access to information easily
 - computers gives us easier access to information
 - computers give us easier access to information

Directions (Q.101 - Q.103): Each of the following questions has a sentence with two blanks. Given below each question are four pairs of words. Choose the pair that best completes the sentence. The first word in the pair should fill the first gap.

101. Sheer necessity has contributed to the growing demand for sales analytics. Apart from the obvious trends of growing product complexity and range, and increasingly _____ customers, the most pressing reason today in almost every industry is attrition. Sales talent is increasingly finding that their employment market is a _____ world—it is not limited by industry. As new economy industries like insurance telecom and retail attempt to grow rapidly, they target talent from more mature sectors like FMCG, pharma and consumer durables, driving up the rate of attrition everywhere.
- intriguing; bedfast
 - innovating; topical
 - demanding; competitive
 - demanding; borderless
102. The rough guide to marketing success used to be that you got what you paid for. No longer. While traditional "paid" media—such as television and radio commercials, print advertisements, and roadside billboards—still play a major role, companies today can exploit many alternative forms of media. Consumers _____ of a product may, for example, create "earned" media by _____ promoting it to friends, and a company may leverage "owned" media by sending e-mail alerts about products and sales to customers registered with its Web site. In fact, the way consumers now approach the process of making purchase decisions means that marketing's impact stems from a broad range of factors beyond conventional paid media.
- base; involuntary
 - market; dedicated
 - enamoured; alleviating
 - enamoured; willingly
103. Bosses matter. They matter because more than 95 per cent of all people in the workforce have bosses, are bosses, or both. They matter because they set the _____ for their followers and organizations. Bosses matter to everyone they oversee, but they matter most to those just beneath them in the pecking order: the people they guide at close range, who constantly tangle with the boss's virtues, foibles, and quirks. Whether you are the CEO of a Fortune 500 company or the head chef at a restaurant, your success depends on staying in tune with the people you interact with most frequently and intensely. All bosses—matter, but those at the top matter most. Whether or not they know it, their followers monitor, magnify, and often _____ their moves.
- atmosphere; loath
 - tone; mimic
 - culture; alleviate
 - texture; condone

Directions (Q.104 - Q.106): Each question below consists of a related pair of words or phrases, followed by four pairs of words or phrases labeled (a) through (d). Select the pair that best expresses the relationship similar to that expressed in the original pair.

104. Nuance : Subtle
 (a) Pun : Sarcastic (b) Fit: Honest (c) Inquiry : Discreet (d) Hint: Direct
105. Arena : Conflict
 (a) Mirage : Reality (b) Forum : Discussion
 (c) Asylum : Pursuit (d) Utopia : Place
106. Hierarchy : Ranked
 (a) Equation : Solved (b) Critique : Biased (c) Chronology : Sequential (d) Infinity :Fixed

Directions (Q.107 - Q.110) Sentences given in each question, when properly sequenced form a coherent paragraph. Each sentence is labelled with a letter. Choose the most logical order of sentences from among the four given choices to construct a coherent paragraph.

107. A. Interactions like these are the hallmark of the increasingly popular website Chat Roulette.
 B. In and of itself, the site is just a platform for live, face-to-face conversations with total strangers, with few rules and no guidelines.
 C. Click "next," and someone else is waiting.
 D. It takes anonymous online chatting (not a new thing), adds webcams and lets users have at it.
 E. You don't need a user name, a profile or a friend request to participate—there's an immediate connection to a random stream of total strangers from all around the world. Bored by what you see?
 (a) BCDEA (b) EDABC (c) ABDEC (d) BDCEA
108. A. Worse, the flaws in the polished surface of the MBA now appear to reflect flaws in the whole system of American business management, in its concepts, its techniques, its values and priorities.
 B. They are, in other words, a professional managerial caste that considers itself trained—and therefore destined—to take command of the nation's corporate life.
 C. The MBA, is both a cause and a symptom of some fundamental problems afflicting the US economy.
 D. Although the MBAs generally see themselves as the best and the brightest, and the most energetic and ambitious as, well, a growing number of corporate managers look on them as arrogant amateurs, trained only in figures and lacking experience in both the manufacture of goods and the handling of people.
 E. This might prove a misfortune of some magnitude.
 (a) BEDAC (b) DABEC (c) CDAEB (d) CEDBA
109. A. Now a second Industrial Revolution, quieter but more profound, is sweeping through US industry.
 B. Gradually, men felt themselves swallowed by a vast, impersonal machine, which rubbed away their self-respect and, in a way, their identities.
 C. In anger against betrayal of the human spirit by the Industrial Revolution, millions of workers listened to the false promises of Marx's philosophy.
 D. The Industrial Revolution, replaced the tools of the independent workmen with machines, had transformed handicraftsmen who were their own bosses into hired hands subject to the orders of managers.
 E. Its name: Human Relations in Industry.
 (a) ADEBC (b) CDAEB (c) BDCAE (d) DBCAE

110. A. The phenomenal increase in corporate collegians has sparked a high-level, academic argument.
 B. Today the management comer is more apt to find himself sent back to school with a pack of pencils and instructions to sharpen his potential.
 C. Just how much good are such training courses?
 D. Time was when a new rug on the floor or a bigger office was the infallible sign of a rising executive.
 E. The new corporate fad—or what one executive calls "a fever sweeping industry"—was started to combat the shortage of executives by trying to force-feed talent in the classroom instead of waiting for it to grow naturally in the office.
- (a) DBEAC (b) CAEDB (c) EACBD (d) None of these

Directions (Q.111 - Q.116): Select the most appropriate word from the options against each number.

Those living in the slums are ____ (111) ____ and tough because they are totally ____ (112) ____ to the vagaries and hardships of life. The rising sun ____ (113) ____ the day and the setting sun closes the day for the day for them. It is like a drama where the curtain ____ (114) ____ up in the morning and comes down in the evening. They don't ____ (115) ____ hypertension and heart attacks because there is, after all ____ (116) ____ to worry about.

111. (a) poor (b) sick (c) hardy (d) weak
 112. (a) dependent (b) independent (c) exposed (d) tried
 113. (a) heralds (b) herald (c) bring (d) shines
 114. (a) hangs (b) hand (c) goes (d) shines
 115. (a) know (b) form (c) think (d) have
 116. (a) everything (b) something (c) somewhere (d) nothing

Directions (Q.117 - Q.120): In the following sentences, one word or a phrase is used wrongly. Choose the word that must be changed or modified or deleted to make the sentence correct. There are sentences without any errors too.

117. The committee **came to** a decision **to discuss** in detail **about** the assorted problems that people have been facing for a **long time**.
- (a) came to (b) to discuss
 (c) about (d) a long time
118. I know you must not **see eye to eye** with the philosophy of Ram Krishna but you 'must admit that It **had had** tremendous **influence over** a great many followers.
- (a) see eye to eye (b) had had
 (c) influence over (d) or
119. The Principal **inquired with** the students, if they would like their teacher **to repeat** the lesson **again**.
- (a) inquired with (b) to repeat
 (c) again (d) no error
120. One of the **security guards** rushed **forward**; unlocked the gate and asked whether I had anything **objectionable**.
- (a) security guards (b) forward
 (c) objectionable (d) no error

Notes:-

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