

# Oriental Bank of Commerce (Bank Clerk)

(Based on memory)

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## Test-I: Reasoning

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- In a certain code ENGLISH is written as FMHKJRI. How is OCTOBER written in that code?  
1) PBUNCDS 2) PBUCNSD 3) BPUNCSD  
4) PBUCNDS 5) None of these
- If a 'truck' is called 'train', 'train' is called 'tractor', 'tractor' is called 'ship', 'ship' is called 'aeroplane', 'aeroplane' is called 'bulldozer' and 'bulldozer' is called 'scooter', which of the following can fly?  
1) Ship 2) Aeroplane 3) Bulldozer  
4) Tractor 5) None of these
- In a certain code language 'te da ka ni' means 'intelligence is in genes', 'se po lo ni' means 'genes are not responsible' and 'ba da fu te' means 'intelligence is through experience'. What does 'ka' stand for in that code language?  
1) genes 2) through 3) intelligence  
4) in 5) responsible
- How many meaningful four-letter English words can be formed with the letters KEAB, using each letter only once in each word?  
1) One 2) Two 3) Three 4) Four 5) More than four
- How many such pairs of letters are there in the word CAMBRIDGE each of which has as many letters between its two letters as there are between them in the English alphabet?  
1) None 2) One 3) Two 4) Three 5) More than three
- How many such digits are there in the number 495637281 each of which is as far away from the beginning of the number as when the digits are arranged in descending order within the number?  
1) None 2) One 3) Two 4) Three 5) More than three
- Seema's watch is 6 minutes fast and the train, which should have arrived at 7 pm, was 14 minutes late. What time is it by Seema's watch when the train arrived?  
1) 7.05 pm 2) 7.30 pm 3) 7.01 pm  
4) 7.31 pm 5) None of these
- P, Q, R, S and T are sitting in a straight line facing North. P sits next to S but not to T. Q is sitting next to R, who sits on the extreme left corner. Who sits to the left of S if T does not sit next to Q?  
1) P 2) Q 3) R  
4) T 5) Cannot be determined
- Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong

to that group?

- 1) Tulip 2) Marigold 3) Rose 4) Lotus 5) Dahlia
- If all the letters in the word SIGNATURE are rearranged as they appear in English alphabetic order, the position of how many letters will remain unchanged after rearrangement?  
1) None 2) One 3) Two 4) Three 5) More than three

**Directions (Q. 11-15): In each of the questions below are given three statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read both of the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.**

- Statements:** Some phones are computers.  
All computers are radios.  
All radios are televisions.  
**Conclusions: I.** All televisions are computers.  
**II.** Some radios are phones.  
1) None follows 2) Only I follows 3) Only II follows  
4) Both I and II follow 5) None of these
- Statements:** All rings are fingers. Some ears are fingers.  
All ears are necklaces.  
**Conclusions: I.** Some necklaces are fingers.  
**II.** Some necklaces are rings.  
1) None follows 2) Only I follows 3) Only II follows  
4) Both I and II follow 5) None of these
- Statements:** Some bottles are cups. Some cups are plates.  
No spoon is a plate.  
**Conclusions: I.** Some spoons are bottles.  
**II.** No bottle is a spoon.  
1) None follows 2) Only I follows 3) Only II follows  
4) Either I or II follows 5) None of these
- Statements:** All pens are erasers.  
Some erasers are sharpeners.  
Some sharpeners are staples.  
**Conclusions: I.** Some sharpeners are pens.  
**II.** Some staples are erasers.  
1) None follows 2) Only I follows 3) Only II follows  
4) Both I and II follow 5) None of these
- Statements:** All hills are trees. All trees are jungles.  
All jungles are bushes.  
**Conclusions: I.** All trees are bushes.  
**II.** Some jungles are hills.  
1) None follows 2) Only I follows 3) Only II follows  
4) Both I and II follow 5) None of these

**Directions (Q. 16-20):** These questions are based on the following letter/number/symbol arrangement. Study it carefully and answer the questions.

Z \$ 3 H @ 8 B 1 # A 7 C L J U 5 K ★ E W I 2 F % T

16. If all the vowels in the above arrangement are replaced by the letter following it in the English alphabetical series, how many alphabets will appear twice in the given arrangement?  
1) None 2) One 3) Two 4) Three 5) More than three
17. Which of the following elements is the sixth to the right of fourteenth from the right?  
1) 8 2) # 3) J 4) E 5) None of these
18. How many such numbers are there in the above arrangement, each of which is immediately preceded by a vowel and also immediately followed by a consonant?  
1) None 2) One 3) Two 4) Three 5) More than three
19. Four of the following five are alike in a certain way based on their position in the above arrangement and so form a group. Which is the one that does not belong to the group?  
1) BA# 2) #7A 3) 5★K 4) W2I 5) 3@H
20. If the first eight digits/symbols/letters from the left are interchanged in a way that the first component is exchanged with the eighth, the second with the seventh, and so on, which of the following would be the sixth from the left?  
1) @ 2) 3 3) H 4) B 5) None of these

**Directions (21-25):** Study the following information carefully to answer these questions.

Eight friends A, B, C, D, E, F, G and H are sitting around a circle facing the centre. A sits third to the left of B, and second to the right of F. D does not sit next to A or B. C and G always sit next to each other. H never sits next to D and C does not sit next to B.

21. Which of the following pairs sits between H and E ?  
1) F, D 2) H, B 3) C, G 4) E, G 5) None of these
22. Starting from A's position, if all the eight were arranged in alphabetical order in the clockwise direction, the seating position of how many members (excluding A) would not change?  
1) None 2) One 3) Two 4) Three 5) Four
23. Which of the following pairs has only one person sitting between them, if the counting is done in anticlockwise direction?  
1) A, B 2) C, D 3) E, F 4) G, H 5) E, A
24. Who sits on the immediate right of E ?  
1) A 2) D 3) F 4) H 5) None of these
25. What is the position of B with respect to C?  
1) Second to the left 2) Third to the right  
3) Third to the left 4) Can't be determined  
5) None of these

**Directions (Q. 26-30):** Study the set of numbers given below and answer the questions which follow:

427 581 839 275 589

26. Which of the following numbers will be obtained if the second digit of the greatest number is subtracted from the second digit of the lowest number after adding one to each of the numbers?  
1) 1 2) 2 3) 3 4) 4 5) 5
27. If in each number, the first and the last digits are interchanged, which of the following will be the third highest number?  
1) 427 2) 581 3) 839 4) 275 5) 589
28. If in each number, the second and the third digits are interchanged, which will be the second highest number?  
1) 427 2) 581 3) 839 4) 275 5) 589
29. If two is subtracted from the first digit of each of the numbers and then the first and the third digits are interchanged, which of the following will be the lowest?  
1) 427 2) 581 3) 839 4) 275 5) 589
30. If in each number, all the three digits are arranged in the ascending order, which of the following will be the third lowest number?  
1) 427 2) 581 3) 839 4) 275 5) 589

**Directions (Q. 31-35):** In each of these questions a group of letters is given followed by four combinations of numbers/symbols numbered 1), 2), 3) & 4). The letters are to be coded as per the scheme and conditions given below. You have to find out the serial number of the combination which represents the letter group. The serial number of that combination is your answer. If none of the combinations is correct, your answer is 5), ie 'None of these'.

Letters : D K M B I N P R J A L S E Q G  
Number/Symbol Code : % 3 7 ★ 4 @ \$ 1 8 5 # 9 2 £ 6

**Conditions :**

- (i) If the first letter is a consonant and the last a vowel, both are to be coded as the code of the vowel.
  - (ii) If the first letter is a vowel and the last a consonant, the codes for the first and the last are to be interchanged.
  - (iii) If no vowel is present in the group of letters, the second and the fifth letters are to be coded as ©.
31. KQAPJE  
1) 3£5\$82 2) 3£58\$2 3) 2£5\$82  
4) 2£5\$83 5) None of these
  32. EMANRB  
1) ★75@12 2) 275@1★ 3) ©75@2©  
4) ★75@1★ 5) None of these
  33. JAQDKP  
1) 85£%38 2) \$5£%3\$ 3) \$5£%38  
4) \$5£3%8 5) None of these
  34. QDBGRM  
1) £%★617 2) £©★6©7 3) £%★167  
4) %£★61© 5) None of these
  35. IKQLMS  
1) 43£#74 2) ©3£#7© 3) 4£3#74  
4) 93£#74 5) None of these

**Directions (Q. 36-40):** Each of the questions below consists of a question and two statements numbered I and II are given below it. You have to decide whether the data provided in the statements are sufficient, answer the question. Read both the statements and

**Give answer (1)** if the data in Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question.

**Give answer (2)** 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.

**Give answer (3)** if the data in Statement I alone or in Statement II alone are sufficient to answer the question.

**Give answer (4)** if the data in both the Statements I and II are not sufficient to answer the question.

**Give answer (5)** if the data in both the Statements I and II together are necessary to answer the question.

36. Who among P, Q, R and T is the heaviest?

**I** Q is lighter than only T among them while P is lighter than R.

**II** T's weight is 20 times the weight of R while 35 times the weight of P.

37. Which direction is Rahul facing?

**I** He took two consecutive left turns from the starting point P.

**II** He started walking towards North from point P.

38. What is Nitesh's rank in the class?

**I** Madhur is two ranks above Nitesh, who is among the top 15% in his class.

**II** Samir is six ranks above Nitesh and is 25th from the bottom.

39. How is X related to Y?

**I** X is the only son of Y's mother-in-law.

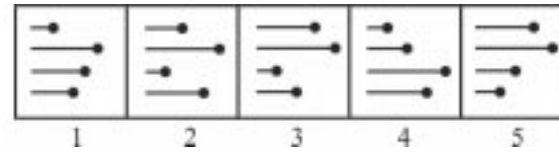
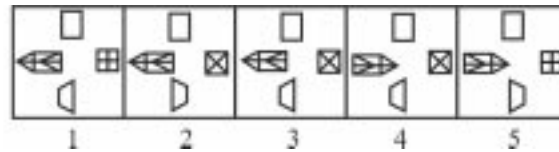
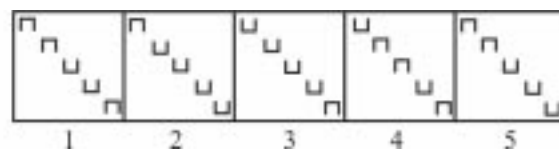
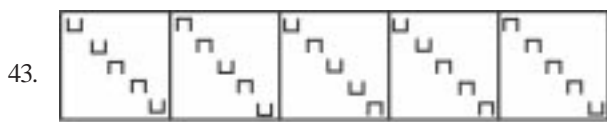
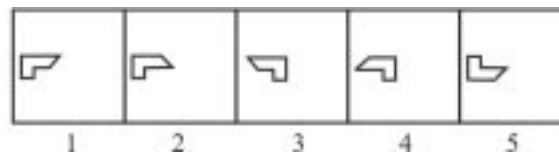
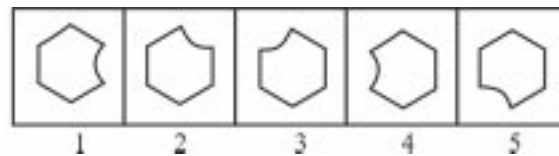
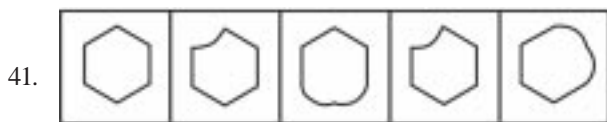
**II** X's only daughter has only one brother, who is the son of Y.

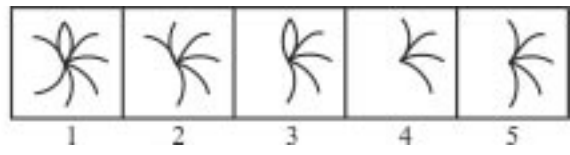
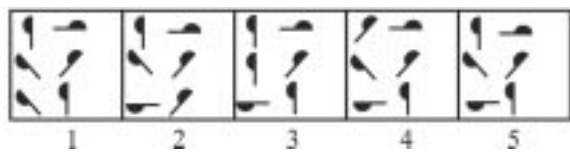
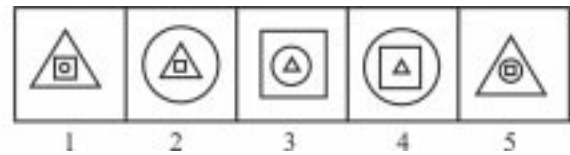
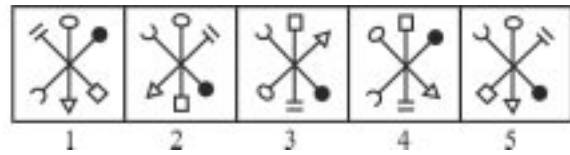
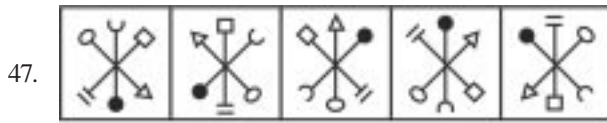
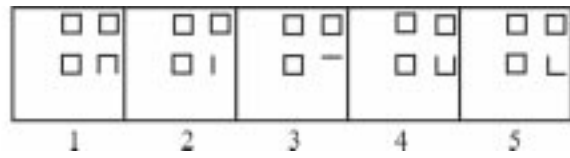
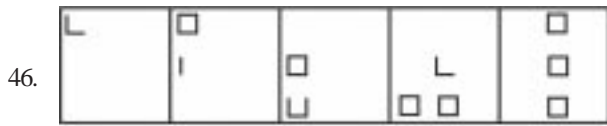
40. On which day of the week does Sudha's birthday fall?

**I** Her birthday falls at least two days after Wednesday.

**II** She celebrated her birthday, five days after India's independence day in the year 2006.

**Directions (Q. 41-50):** In each of the questions given below which one of the five answer figures on the right should come after the problem figures on the left, if the sequence were continued?





## Test-II: Numerical Ability

**Directions (Q. 51-75):** What should come in place of the question mark (?) in the following questions?

51.  $47.7 \times 12.4 \times 8.6 = ?$

- 1) 5708.423      2) 5218.665      3) 6180.656  
4) 5086.728      5) None of these

52.  $4\frac{4}{5} \div 6\frac{2}{5} = ?$

- 1)  $\frac{3}{4}$     2)  $\frac{5}{7}$     3)  $\frac{7}{11}$     4)  $\frac{5}{8}$     5) None of these

53.  $1193.85 \div (42 \times 1.5) = ?$

- 1) 18.95    2) 16.25    3) 19.18    4) 14.64    5) None of these

54.  $7719 + 8725 + 9124 = ?$

- 1) 21911    2) 28388    3) 20578    4) 24964    5) None of these

55.  $8.7 \times ? = 46.98$

- 1) 5.3    2) 6.9    3) 4.7    4) 7.8    5) None of these

56.  $27^2 \times 4^3 - 111^2 = ?$

- 1) 33455    2) 35334    3) 34335    4) 35344    5) None of these

57.  $7777 \div 77 \div 5 = ?$

- 1) 50.5    2) 18.5    3) 22.4    4) 15.2    5) None of these

58.  $8878 - 4125 - 1157 = ?$

- 1) 4185    2) 3078    3) 2186    4) 3679    5) None of these

59.  $\frac{2}{5}$  of  $\frac{1}{3}$  of  $\frac{3}{5}$  48685 = ?

- 1) 3287.5      2) 3415.6      3) 3894.8  
4) 2967.4      5) None of these

60.  $421 \times 38 - 3543 = ?$

- 1) 15112    2) 10624    3) 12455    4) 13185    5) None of these

61.  $? \div 48 \times 12 = 171$

- 1) 684    2) 566    3) 698    4) 596    5) None of these

62.  $13^{11.2} \times 13^{3.6} = ?$

- 1)  $13^{12.3}$     2)  $13^{7.6}$     3)  $13^{14.8}$     4)  $13^{10.3}$     5) None of these

63.  $11.11 + 111.1 + 1111.11 = ?$

- 1) 1323.23      2) 1233.32      3) 1322.33  
4) 1232.22      5) None of these

64.  $5 \times ? = 9884 \div 16$

- 1) 123.55      2) 91.25      3) 103.18  
4) 115.65      5) None of these

65. 26.5% of 488 = ?

- 1) 205.65      2) 211.72      3) 145.67  
4) 129.32      5) None of these

66.  $4.4 \times 5.8 \times 11.5 - 141.27 = ?$

- 1) 187.95      2) 152.21      3) 121.17  
4) 147.51      5) None of these

67. 48% of 112 - % of 88 = 45.4  
1) 4.2 2) 9.5 3) 11.4 4) 7.8 5) None of these
68. 84% of 785 + ? = 880  
1) 231.8 2) 202.6 3) 256.8 4) 220.6 5) None of these
69.  $485.21 - 259.12 + 338.47 = ?$   
1) 575.96 2) 564.56 3) 546.76  
4) 515.86 5) None of these
70.  $73669 + 12457 = ? + 25156$   
1) 69070 2) 60480 3) 67090  
4) 68240 5) None of these
71.  $126315 - 87924 = ? \times 67$   
1) 684 2) 661 3) 573 4) 562 5) None of these
72.  $36652 \div \sqrt{?} = 14 \times 9 + 61$   
1) 30276 2) 34596 3) 28561 4) 38416 5) None of these
73.  $\sqrt{?} + 43 = \sqrt{19881}$   
1) 9604 2) 7744 3) 9216 4) 8464 5) None of these
74.  $5768 \div 112 = ?$   
1) 45.4 2) 68.5 3) 39.4 4) 51.5 5) None of these
75.  $15127 + 4323 - 825 = ? \times 25$   
1) 625 2) 745 3) 714 4) 698 5) None of these
76. What **approximate** value should come in place of the question mark (?) in the following question?  
 $5555 \div 42 \times (19)^2 + 64.5 = ?$   
1) 45671 2) 46293 3) 44630 4) 47811 5) 42057
77. If  $(11)^3$  is subtracted from the square of a number, the answer so obtained is 2033. What is the number?  
1) 44 2) 65 3) 58 4) 72 5) None of these
78. If  $(27)^2$  is added to the square of a number, the answer so obtained is 7618. What is the number?  
1) 65 2) 78 3) 83 4) 97 5) None of these
79. The average age of a man and his son is 44 years. The ratio of their ages is 31 : 13. What is the son's age?  
1) 35 years 2) 26 years 3) 15 years  
4) 20 years 5) None of these
80. What would be the simple interest obtained on an amount of Rs 64,728 at the rate of 10 p.c.p.a. after 7 years?  
1) Rs 45309.6 2) Rs 39214.2 3) Rs 48077.5  
4) Rs 40223.1 5) None of these
81. What is the least number to be added to 2600 to make it a perfect square?  
1) 1 2) 5 3) 3 4) 9 5) None of these
82. The average of five consecutive odd numbers A, B, C, D and E in ascending order is 37. What is the product of B and D?  
1) 1365 2) 2035 3) 1935  
4) 1585 5) None of these
83. What would be the compound interest obtained on an amount of Rs 4,800 at the rate of 5 p.c.p.a. after 3 years?  
1) Rs 623.5 2) Rs 756.6 3) Rs 817.8  
4) Rs 448.7 5) None of these
84. The product of two consecutive even numbers is 45368. What is the greater number?  
1) 212 2) 216 3) 210 4) 208 5) None of these
85. A car covers a distance of 576 kms in 12 hours. What is the speed of the car?  
1) 54 km/hr 2) 62 km/hr 3) 46 km/hr  
4) Cannot be determined 5) None of these
86. What is 304 times 141?  
1) 39640 2) 45942 3) 38760 4) 42864 5) None of these
87. The cost of 4 rings and 2 bangles is Rs 57,200. What is the cost of 6 rings and 3 bangles?  
1) Rs 95,340 2) Rs 85,800 3) Rs 76,600  
4) Cannot be determined 5) None of these
88. The difference between 54% of a number and 26% of the same number is 22526. What is 66% of that number?  
1) 53097 2) 48372 3) 51218 4) 49124 5) None of these
89. Kriya deposits an amount of Rs 65,800 to obtain a simple interest at the rate of 14 p.c.p.a. for 4 years. What total amount will Kriya get at the end of 4 years?  
1) Rs 1,02,648 2) Rs 1,15,246 3) Rs 1,25,578  
4) Rs 1,10,324 5) None of these
90. The owner of a cell phone shop charges his customer 28% more than the cost price. If a customer paid Rs 8,960 for the cell phone, then what was the cost price of the cell phone?  
1) Rs 7,800 2) Rs 7,100 3) Rs 6,900  
4) Rs 6,850 5) None of these
91. In an annual examination, Anish scores a total of 724 marks out of 1025. What is his approximate percentage in the annual examination?  
1) 79 2) 67 3) 71 4) 88 5) 62
92. A canteen requires 651 bananas for a week. Totally, how many bananas will it require for the months of April, May and June 2009?  
1) 9086 2) 8547 3) 9284 4) 8463 5) None of these
93. If an amount of Rs 4,36,563 is distributed equally amongst 69 persons, how much amount would each person get?  
1) Rs 5,943 2) Rs 6,327 3) Rs 6,148  
4) Rs 5,876 5) None of these
94. There are 1825 employees in an organisation, out of which 64% got transferred to different places. How many such employees are there who got transferred?  
1) 1054 2) 1490 3) 1263 4) 1168 5) None of these
95. 64% of a number is 2592. What is 88% of that number?  
1) 3458 2) 3202 3) 3826 4) 3564 5) None of these
96. If the fractions  $\frac{3}{5}, \frac{2}{3}, \frac{1}{4}, \frac{5}{7}$  and  $\frac{6}{11}$  are arranged in ascending order of their values, which one will be the fourth?  
1)  $\frac{3}{5}$  2)  $\frac{1}{4}$  3)  $\frac{5}{7}$  4)  $\frac{6}{11}$  5) None of these

97. In an examination it is required to get 1050 of the aggregate marks to pass. A student gets 924 marks and is declared failed by 9% marks. What is the maximum aggregate marks a student can get?
- 1) 1250                      2) 1525                      3) 1400  
4) Cannot be determined                      5) None of these
98. The total number of students in a school is 2140. If the number of girls in the school is 1200, then what is the ratio of the total number of boys to the total number of girls in the school?
- 1) 26 : 25                      2) 47 : 60                      3) 18 : 13  
4) 31 : 79                      5) None of these
99. Find the average of the following set of numbers. 354, 281, 623, 518, 447, 702, 876
- 1) 538    2) 555    3) 568    4) 513    5) None of these
100. Veena invests Rs 72,318, which is 17% of her annual income, in mutual funds. What is her monthly income?
- 1) Rs 33,600                      2) Rs 32,990                      3) Rs 35,450  
4) Rs 28,980                      5) None of these

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### Test-III: English Language

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**Directions (Q. 101-115): Read the following passage carefully and answer the questions given below it. Certain words have been printed in *bold* to help you locate them while answering some of the questions.**

For many years, the continent of Africa remained unexplored and hence unknown. The main reason was the inaccessibility to its interior region due to **dense** forests, wild life, savage tribals, deserts and **barren** solid hills. Many people tried to explore the land but could not survive the dangers. David Livingstone is among those brave few who not only explored part of Africa but also lived among the tribals bringing them near to social milieu. While others explored with the idea of expanding their respective empires, Livingstone did so to explore its **vast** and mysterious hinterland, rivers and lakes. He was primarily a religious man and a medical practitioner who tried to help mankind with it.

Livingstone was born in Scotland and was educated to become a doctor and a priest. His **exploration** started at the beginning of the year 1852. He explored an unknown river in Western Luanda. However, he was reduced to a skeleton during four years of travelling. By this time, he had become famous and when he returned to England for convalescing, entire London, along with Queen Victoria the, **turned** to welcome him. After a few days, he returned to Africa.

He discovered the origin of the River Nile in 1866. He again suffered many discomforts. He became too sick and could not even walk. He lost contact with **rest** of the world that grew anxious to know his whereabouts. Ultimately, it was Stanley, the American journalist, who found him after many efforts, but Livingstone had died in a tribal village in 1873. His body was brought to London and buried in

Westminster with full honour.

101. Which of the following shows that Livingstone had become very famous?
- 1) Queen Victoria along with the people of London had come to meet him.  
2) Queen Victoria arranged for his medical expenses.  
3) The tribals were grateful to him for bringing them in the social mainstream.  
4) He was assigned the task of a priest although he was a medical professional.  
5) None of these
102. Why were people not aware of the existence of Africa?
- 1) It was inaccessible due to oceanic reefs.  
2) Its territory was covered with dense forests.  
3) People outside the continent were chased away by native tribals.  
4) Explorers were afraid of the risks involved.  
5) None of these
103. Livingstone deserves credit for which of the following?
- 1) For expanding his empire  
2) For enjoying the wild life of the continent  
3) For exploring part of Africa and living among the tribals  
4) For quenching his thirst for living in the company of nature  
5) None of these
104. What was the impact of the four-year travelling on Livingstone?
- 1) He could enjoy a social life among tribals' society.  
2) He derived satisfaction with the exploration of an unknown river.  
3) He derived satisfaction as he became very famous.  
4) It badly affected his health.  
5) None of these
105. The American journalist Stanley can be credited for which of the following?
- (A) Performing the last rites of Livingstone's dead body.  
(B) Relentless efforts for finding out the whereabouts of Livingstone.  
(C) The anxiety to explore undiscovered parts of the world.
- 1) (A) and (B) only    2) (B) and (C) only  
) (A) and (C) only    4) (B) only    5) (C) only
106. Livingstone can best be described by which of the following?
- 1) A person with an urge for exploration of unknown parts of the world  
2) A person with religious mindset  
3) A social reformer  
4) A warm-hearted medical practitioner  
5) A famous priest popular among the British
107. Livingstone became too sick to walk and, as a result, (A) people in the world lost contact with him.

(B) his whereabouts were not known.  
(C) American journalist Stanley could not locate him despite many efforts.

- 1) (A) only      2) (B) only      3) (C) only  
4) (A) and (C) only      5) None of these

108. In what way were Livingstone's exploration efforts different from those of others?

- 1) Livingstone's exploration was restricted only to unknown rivers whereas others explored dense forests.  
2) Others explored with selfish motives; Livingstone explored to know the mysterious parts of the world.  
3) Others explored new parts of the world for wealth, but Livingstone did so for religious purposes.  
4) Being a medical practitioner, he tried to explore medicines; others did for tribal population.  
5) None of these

109. Which of the following was/were explored by Livingstone?

- (A) A river in Western Luanda  
(B) Scotland  
(C) The origin of river Nile  
1) (A) and (B) only      2) (B) and (C) only  
3) (A) and (C) only      4) (A) only  
5) (B) only

**Directions (Q. 110-112): Choose the word which is most nearly the SAME in meaning as the word given in bold as used in the passage.**

110. **exploration**

- 1) execution      2) cultivation      3) foundation  
4) discovery      5) assimilation

111. **turned**

- 1) rotated      2) twisted      3) spinned  
4) revolved      5) arrived

112. **rest**

- 1) remaining      2) relax      3) respite  
4) break      5) most

**Directions (Q. 113-115): Choose the word which is most OPPOSITE in meaning of the word given in bold as used in the passage.**

113. **barren**

- 1) uncultivated      2) fertile      3) forest  
4) unlevelled      5) marshy

114. **vast**

- 1) miniature      2) magnified      3) enormous  
4) gigantic      5) small

115. **dense**

- 1) crowded      2) dark      3) sparse  
4) transparent      5) opaque

**Directions (Q. 116-120): In each question below, four words which are numbered 1), 2), 3) and 4) have been printed, of which one may be wrongly spelt. The number of that word is the answer. If all the four words are correctly spelt, mark 5), ie 'All Correct', as the answer.**

116. 1) Obsolete      2) Demonstration      3) Visionary  
4) Meticulous      5) All Correct

117. 1) Genuineness      2) Buffallow      3) Incremental  
4) Determination      5) All Correct

118. 1) Archary      2) Immunity      3) Indispensable  
4) Exaggeration      5) All Correct

119. 1) Abnormal      2) Insignificant      3) Immovable  
4) Coincidence      5) All Correct

120. 1) Diligence      2) Dignity      3) Distruction  
4) Immense      5) All Correct

**Directions (Q. 121-125): Rearrange the following six sentences (A), (B), (C), (D), (E) and (F) in the proper sequence to form a meaningful paragraph; then answer the questions given below them.**

- (A) Besides, they get a lot of exposure to novel things through media.  
(B) Therefore, their mental development did not show any extraordinary signs.  
(C) Children of the present generation appear to be smarter than their earlier counterparts.  
(D) Thus, the environment of present days has brought out these changes.  
(E) This is probably because there are lots of opportunities for their indirect learning.  
(F) Children of yester-years did not have these facilities.

121. Which of the following will be the **FIFTH** sentence after rearrangement?

- 1) (A)      2) (B)      3) (C)      4) (D)      5) (E)

122. Which of the following will be the **SIXTH (LAST)** sentence after rearrangement?

- 1) (A)      2) (B)      3) (C)      4) (D)      5) (E)

123. Which of the following will be the **SECOND** sentence after rearrangement ?

- 1) (A)      2) (B)      3) (C)      4) (D)      5) (E)

124. Which of the following will be the **FIRST** sentence after rearrangement?

- 1) (A)      2) (B)      3) (C)      4) (D)      5) (E)

125. Which of the following will be the **THIRD** sentence after rearrangement?

- 1) (A)      2) (B)      3) (C)      4) (D)      5) (E)

**Directions (Q. 126-130): Pick out the most effective word from the given words to fill in the blank in each sentence to make the sentence meaningfully complete.**

126. It is \_\_\_\_\_ for everyone to abide by the laws of the land.

- 1) expected      2) obligatory      3) meant  
4) optional      5) recommended

127. They work hard not because of the \_\_\_\_\_, but because of their inner urge.

- 1) desire      2) drive      3) energy  
4) incentive      5) motivation

128. \_\_\_\_\_ he is a hard worker, his quality of work is not of a desirable level.

- 1) Despite      2) Because      3) Although  
4) Somehow    5) However
129. In spite of repeated instructions, he \_\_\_\_\_ the same mistakes.  
1) commits      2) detects      3) corrects  
4) imitates     5) exhibits
130. His \_\_\_\_\_ background has made him so docile.  
1) famous 2) lucrative 3) rich 4) advanced 5) humble

**Directions (Q. 131-140): Read each sentence to find out whether there is any grammatical error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is no error, the answer is 5), ie 'No Error'. (Ignore the errors of punctuation, if any.)**

131. Your desire to / meet the President / without prior  
1)                      2)                      3)  
appointment / cannot be fulfil. No Error  
4)                      5)
132. He was too tired that / he could not cross / the street  
1)                      2)                      3)  
even with / the help of a porter. No Error  
4)                      5)
133. In such delicate matters, / we often go with / his advice  
1)                      2)                      3)  
as he has / been handling such cases effectively.  
4)  
No Error  
5)
134. You should think / of all the possibilities / before you  
1)                      2)                      3)  
take / any decision. No Error  
4)                      5)
135. People who intend / to visit the tourist spots / are always  
1)                      2)                      3)  
thrilling / to see the scenario here. No Error  
4)                      5)
136. For giving up / the bad habit of smoking, / use of chewing  
1)                      2)                      3)  
gum or /similar other method can be helped. No Error  
4)                      5)
137. Whenever a man attains fame, / his person qualities are /  
1)                      2)  
imitated by others who / are close to him. No Error  
3)                      4)                      5)
138. Rivers, mountains and deep forests / are the places /  
1)                      2)  
mostly like by / people living in urban areas. No Error  
3)                      4)                      5)

139. His obviously reluctance / was viewed seriously by /  
1)                      2)  
his superiors and / he was suspended. No Error  
3)                      4)                      5)
140. When we visited his office / we found that / he was  
1)                      2)  
sipping coffee /with some of his colleagues. No Error  
3)                      4)                      5)

**Directions (Q. 141-150): In the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word In each case.**

Clement Atlee became the Prime Minister of England after the Second World War. Winston Churchill, who had successfully (**141**) England and the allies to victory over Hitler was now rejected by the English people at the hustings. Labour Party was (**142**) to power and Atlee became the Prime Minister. One of his memorable tasks was that he was (**143**) in granting India its freedom. Atlee was born in a well-to-do (**144**) but he always had (**145**) for the poor and the down-trodden. He is known for keeping (**146**) and cooperation among his cabinet colleagues. Not that there were no differences of opinion (**147**) his cabinet members, but Atlee, by his (**148**) nature and positive approach, always managed to keep them together and had control over them. (**149**) being sympathetic to the cause of India, and granting India freedom, he (**150**) many a constructive activity for his country too, like nationalization of some industries, and starting National Health Scheme.

141. 1) marginalised    2) led                      3) isolated  
4) established       5) conquered
142. 1) used                2) immune               3) averse  
4) close                5) swept
143. 1) reluctant        2) particular            3) interested  
4) instrumental      5) eager
144. 1) family             2) community          3) class  
4) origin               5) country
145. 1) jobs                2) indifference        3) concern  
4) reverence          5) apathy
146. 1) faith               2) conflict               3) assistance  
4) conviction         5) harmony
147. 1) from               2) with                   3) among  
4) within               5) between
148. 1) aggressive       2) docile                3) withdrawing  
4) gentle               5) stubborn
149. 1) Besides           2) After                 3) Although  
4) Without             5) He
150. 1) observed         2) did                    3) demonstrated  
4) imitated            5) bypassed



## Test-IV: Clerical Aptitude

**Directions (Q. 151-160):** In each of these questions a group of letters is given which is to be coded as per the scheme given below. You have to find out which of the answers (1), (2), (3) or (4) has the correct coded form of the given letters and indicate it on your answersheet. If none of the coded forms is correct, mark 5) as the answer.

Letters	:	T	D	E	A	J	F	H	R	I	L	M	Q	U	B
Digit/Symbol Codes	:	3	5	#	9	1	\$	2	4	@	6	8	★	7	©
151. MQLJHT	1)	8★6213		2) 86★123		3) 8★6123		4) 8★6132		5) None of these					
152. HJIRFB	1)	23@4\$©		2) 21©4\$@		3) 21@6\$©		4) 23@6\$©		5) None of these					
153. EJBIAT	1)	©1#@93		2) ©1#@39		3) #3©91@		4) #1©@93		5) None of these					
154. IRBDLQ	1)	©4@56★		2) @4©56★		3) @2©56★		4) ©2©56★		5) None of these					
155. RFJULM	1)	4\$1768		2) 4\$9768		3) 4\$1786		4) 4\$2768		5) None of these					
156. DHTAUQ	1)	53297★		2) 523978		3) 52397★		4) 53297©		5) None of these					
157. HTUIRL	1)	23764@		2) 237@ 46		3) 237©46		4) 237©64		5) None Of these					
158. FDRHMB	1)	\$5428©		2) \$4528©		3) ©5428\$		4) ©5482\$		5) None of these					
159. QLJEDT	1)	#61★53		2) ★69#53		3) ★61#35		4) #69★53		5) None of these					
160. ELRMDH	1)	#46852		2) #68452		3) #48652		4) #64852		5) None of these					

**Directions (Q. 161-165):** Below in each question five words are given. Which of them will come at the third place if arranged in alphabetical order?

161. 1) Justify	2) Juvenile	3) Junior	4) Jurist	5) Junction
162. 1) Navigate	2) Natural	3) Nebulous	4) Native	5) National
163. 1) Luminous	2) Lumpish	3) Lumbrical	4) Lukewarm	5) Lullaby
164. 1) Governance	2) Gospeller	3) Gothic	4) Gourmet	5) Gourmand
165. 1) Pentagon	2) Pension	3) Penstock	4) Penthouse	5) Pentane

**Directions (Q. 166-170):** The news item in each question below is to be classified into one of the following five areas:

(1) Sports, (2) Health and Science, (3) Political, (4) Economics and (5) Miscellaneous, The number of the area (1) or (2) or (3) or (4) or (5), as the case may be, is your answer.

166. The Chief Minister announced the expansion of his ministry.	1) Sports	2) Health and Science	3) Political	4) Economics	5) Miscellaneous
167. More than 200 people were killed due to torrential rains.	1) Sports	2) Health and Science	3) Political	4) Economics	5) Miscellaneous
168. Last week inflation was recorded at 4.28%.	1) Sports	2) Health and Science	3) Political	4) Economics	5) Miscellaneous
169. India defeated Ireland by 9 wickets in a one-day cricket match.	1) Sports	2) Health and Science	3) Political	4) Economics	5) Miscellaneous
170. Space-shuttle Atlantis landed safely on earth.	1) Sports	2) Health and Science	3) Political	4) Economics	5) Miscellaneous

**Directions (Q. 171-200):** In each question below a combination of Name and Address is given in the first column at the left followed by four such combinations one each under the columns 1, 2, 3 & 4. You have to find out the combination which is exactly the same as the combination in the first column. The number of that column which contains that combination is the answer. If all the combinations are different, the answer is '5'.

	1	2	3	4	5
171. Lakshmi H.T. 33, Kishorkunj Nandigram-56	Lakshmi H.T. 33, Kishorkunj Nandigram-65	Lakshmi S.T. 33, Kishorkunj Nandigram-56	Lakshmi H.T. 36, Kishorkunj Nandlgram-56	Lakshmi H.T. 33, Kishorkunj Nandigram-56	None
172. Aditya Yadav 159, Sunrise Wing-IV/C	Aditya Yadav 159, Sunrise Wing-IV/C	Aditya Yadav 159, Sunrise Wing-IV/C	Aditya Yadav 169, Sunrise Wing-IV/C	Aditya Yadav 159, Sunrise Wing-VI/C	None
173. Deepti Bhatia 32/4/D-Vihar Calicut -18	Dipti Bhatia 32/4/D-Vihar Calicut -18	Deepti Bhatia 34/2/D-Vihar Calicut -18	Deepti Bhatia 32/4/D-Vihar Calicut -18	Deepti Bhatia 32/4/D-Vihar Calicut-28	None

	1	2	3	4	5
174. Milind Dukhane 15, M. G. Road Aurangabad-23	Milind Dukhane 15, M. J. Road Aurangabad-23	Milind Dukhane 15, M. G. Road Aurangabad-23	Milind Dukhane 15, M. G. Road Aurangabad-32	Milind Dhukane 15, M. G. Road Aurangabad-23	None
175. Ashok Jagtap 39/III, Avenue Jaipur 630001	Ashok Jagtap 39/III, Avenue Jaipur 630001	Ashok Jagatap 39/III; Avenue Jaipur 630001	Ashok Jagtap 36/III, Avenue Jaipur 630001	Ashok Jagtap 39/III, Avenue Jaipur 631001	None
176. Madhav Rana 38, Rajgriha Ludhiana	Madhav Rana 38, Rajgriha Ludhiana	Madhav Rana 38, Rajgraha Ludhiana	Madhav Rane 38, Rajgriha Ludhiana	Madhav Rana 28, Rajgriha Ludhiana	None
177. Nishiraj Sawant H. V. Street Kolhapur-64	Nishiraj Savant H. V. Street Kolhapur-64	Nishiraj Sawant M. V. Street Kolhapur-64	Nishiraj Sawant H. V. Street Kolhapur-64	Nishiraj Sawant H. V. Street Kolhapur-46	None
178. Navin Sardesai 25/8, begusarai Pin. 580039	Navin Sardesai 25/8, begusarai Tel. 580039.	Navin Sardesai 25/8, begusarai Pin. 590038	Navin Sardesai 28/5, begusarai Pin. 580039	Naveen Sardesai 25/8, begusarai Pin. 580039	None
179. Kunal Chauhan 72, Cross Road Chandigarh 52	Kunal Chowhan 72, Cross Road Chandigarh 52	Kunal Chauhan 76 Cross Road Chandigarh 52	Kunal Chauhan 72, Cross Road Chandigarh 52	Kunal Chauhan 72, Cross Road Chandigarh 25	None
180. K. Rajagopalan Third lane, B6 Chandrapur	R. Rajagopalan Third lane, B6 Chandrapur	K. Rajgopalan Third lane, B6 Chandrapur	K. Rajagopalan Third lane, B6 Chandrapore	K. Rajagopalan Third lane, B6 Chandrapur	None
181. Dere Yogeshwar Navrangpura M. 9328486015	Dere Yogeshwar Navrangpura M. 9328486015	Dere Yogeshwar Navrangpara M. 9328486015	Dere Yogeshwar Navrangpura C. 9328486015	Dere Yogeshwar Navrangpura M. 9328486015	None
182. Nandkishor Ram 193, Nihikunj Ernakulam	Nandkishor Ram 139, Nihikunj Ernakulam	Nandkishor Ram 193, Nihikunj Ernakulam	Nandkishor Ram 193, Nishakunj Ernakulam	Nandkishor Ram 193, Nihikunj Ernakulam	None
183. Varadrajan K. 25 <sup>th</sup> , Sonapur Tel. 26843267	Varadrajan K. 25 <sup>th</sup> , Sonapur Ph. 26843267	Varadrajan K. 26 <sup>th</sup> , Sonapur Tel. 26843267	Varadarajan K. 25 <sup>th</sup> , Sonapur Tel. 26843267	Varadrajan K. 25 <sup>th</sup> , Sonapur Tel. 26843267	None
184. Mayur Gokhale VI/78, Gokul Sandhurst Road	Mayur Gokhale IV/78, Gokul Sandhurst Road	Mayoor Gokhale VI/78, Gokul Sandhurst Road	Mayur Gokhale VI/78, Gokul Sandharst Road	Mayur Gokhale VI/87, Gokul Sandhurst Road	None
185. Ashutosh Ghade 85, Manish Nagar Andheri 400079	Ashutosh Ghadi 85, Manish Nagar Andheri 400079	Ashutosh Ghade 89, Manish Nagar Andheri 400079	Ashutosh Ghade 85, Manish Nagar Andheri 400079	Ashutosh Ghade 85, Manish Sadan Andheri 400079	None
186. Premjibhai Roma B-Wing, Anant Amaravati 16	Premjibhai Roma B-Wing, Anant Amaravati 16	Premjibhai Roma D-Wing, Anant Amaravati 16	Premjibhai Roma B-Wing, Anant Amaravati 26	Premjibhai Rama B-Wing, Anant Amaravati 16	None
187. Amarendra J. K. Girija Colony Mayurganj 26	Amarendra J. R. Girija Colony Mayurganj 26	Amarendra J. K. Girija Colony Mayurganj 26	Amarendra J. K. Girija Colony Mayurganj 26	Amarendra J. K. Girija Colony Mayurganj 26	None
188. Rakesh Bhatti Van Vihar-36 Fax 36964842	Rakesh Bhatta Van Vihar-36 Fax 36964842	Rakesh Bhatti Van Vihar-63 Fax 36964842	Rakesh Bhatti Van Vihar-36 Tel. 36964842	Rakesh Bhatti Van Vihar-36 Fax 36964842	None
189. Umashankar N. New M. G. Nagar Varanasi 67	Umashankar M. New M. G. Nagar Varanasi 67	Umashankar N. New N.G. Nagar Varanasi 67	Umashankar N. New M. G. Nagar Varanasi 76	Umashankar N. New M. G. Nagar Varanasi 67	None
190. Harishchandra L. Ramoji Park Bangalore 69	Harishchandra T. Ramoji Park Bangalore 69	Harishchandra L. Ramoji Bagh Bangalore 69	Harishchandra L. Ramoji Park Bangalore 69	Harishchandra L. Ramoji Park Bangalore 67	None

	1	2	3	4	5
191. Ketan Jadeja Jadhav House Rohtak 205068	Ketan Jadeja Jhadav House Rohtak 205068	Ketan Jadeja Jadhav House Rohtak 205068	Ketan Jadeja Jadhav House Rohtak 205086	Ketan Jedaja Jadhav House Rohtak 205068	None
192. Sitaram Bhawe Nimisha-Bhavan Kolkata-700238	Sitaram Bhawe Nimisha-Bhavan Kolkata-700238	Sitaram Bhawe Nimisha-Bhavan Kolkata-700238	Sitaram Bhawe Nimisha-Bhuvan Kolkata-700238	Sitaram Bhawe Nimisha-Bhavan Kolkata-700328	None
193. Vaze Ramsharan 83, Vrindavan Pin 408103	Vaze Ramsharan 86, Vrindavan Pin 408103	Vaz Ramsharan 83, Vrindavan Pin 408103	Vaze Ramsharan 83, Vrindavan Pin 408103	Vaze Ramsharan 83, Vrindavan Pin 408013	None
194. Giriraj Samal Lokesh Vihar New Delhi 32	Giriraj Samal Lokesh Vihar New Delhi 32	Giriraj Samal Lokesh Bhavan New Delhi 32	Giriraj Samal Lokesh Vihar New Delhi 32	Giriraj Samal Lokesh Vihar New Delhi 23	None
195. Harmeet Kaur 84, Shastri Nagar Aurangabad 17	Harpit Kaur 84, Shastri Nagar Aurangabad 17	Harmeet Kaur 48, Shastri Nagar Aurangabad 17	Harmeet Kaur 84, Shastri Nagar Aurangabad 17	Harmeet Kaur 84, Shartri Nagar Aurangabad 17	None
196. Aneesh Kalra Sai Niketan 185, 6th Floor	Aneesh Karla Sai Niketan 185, 6th Floor	Aneesh Kalra Sai Niketan 158, 6th Floor	Aneesh Kalra Sai Niketan 185, 6th Floor	Anish Kalra Sai Niketan 185, 6th Floor	None
197. Manish Sahu F-9/425, 'D' Road Junagarh 96	Manish Sahu F-9/425, 'B' Road Junagarh 96	Manish Sahu F-9/425 'D' Road Junagarh 69	Manish Sahoo F-9/425 'D' Road Junagarh 96	Manish Sahu F-9/425, 'D' Road Junagarh 96	None
198. Ramesh Vyas Survey No. 119 Bikaner 334004	Ramesh Vyas Survey No. 119 Bikaner 334004	Ramesh Vyas Sarvey No. 119 Bikaner 334004	Ramesh Vyas Survey No. 129 Bikaner 334004	Ramesh Vyas Survey No. 119 Bikaner 330044	None
199. Raviraj Gohil 7/12/179-H Sector-45	Raviraj Gohel 7/12/179-H Sector-45	Raviraj Gohil 7/12/197-H Sector-45	Raviraj Gohil 7/12/179-H Sector-45	Raviraj Gohil 7/12/179-H Sector-54	None
200. Kishore Shroop Vasant Kung Bhusawal 73	Kishore Shroop Vasant Kunj Bhusawal 73	Kishore Shroop Vasant Kung Bhusawal 73	Kishore Shroop Vasant Vihar Bhusawal 73	Kishore Shoop Vasant Kunj Bhusawal 78	None

## Answers

1. 1; The letters move one place forward and backward alternately.

2. 3; Aeroplane can fly, but 'aeroplane' is called 'bulldozer'.

3. 4; *te da ka ni* → intelligence is in genes ... (i)  
*se po lo ni* → genes are not responsible ... (ii)  
*ba da fu te* → intelligence is through experience ... (iii)

From (i) and (ii), *ni* → genes ... (iv)

From (i) and (iii), *te da* → intelligence is ... (v)

Now, using (iv) and (v) in (i),

we get, *ka* → in ... (vi)

Hence, *ka* means 'in'.

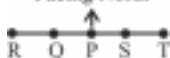
4. 2; BAKE, BEAK

5. 3; **C A M B R I D G E**

6. 3; Given digits are 4 9 5  $\begin{bmatrix} 6 \\ 6 \end{bmatrix}$  3 7 2 8  $\begin{bmatrix} 1 \\ 1 \end{bmatrix}$   
Descending order 9 8 7  $\begin{bmatrix} 6 \\ 6 \end{bmatrix}$  5 4 3 2  $\begin{bmatrix} 1 \\ 1 \end{bmatrix}$

7. 5; 7.20 pm

8. 1; Facing North



9. 4; All others grow on land while lotus grows in water.

10. 2;

Given words are : S I  $\begin{bmatrix} G \\ G \end{bmatrix}$  N A T U R E  
Alphabetical order : A E  $\begin{bmatrix} G \\ G \end{bmatrix}$  I N S R T U  
Hence, the position of 'G' remain unchanged.

11. 3; Some phones are computers + All computers are radios = I + A = I = Some phones are radios → conversion → Some radios are phones (I). Hence II follows. All computers are radios + All radios are televisions = A + A = A = All computers are televisions → conversion → Some televisions are computers. Hence I does not follow.

12. 2; Some ears are fingers → conversions → Some fingers are ears + All ears are necklaces = I + A = I = Some fingers are necklaces → conversion → Some necklaces are fingers (I). Hence I follows. All rings are fingers + Some fingers are necklaces = A + I = No conclusion. Hence II does not follow.

13. 4; I-type statements can't be combined. However, I and II make a complementary I-E pair.

14. 1; All pens are erasers + Some erasers are

sharpeners = A + I = No conclusion. Hence I does not follow. Again, II does not follow because I + I = No conclusion.

15. 4; All trees are jungles + All jungles are bushes = A + A = A = All trees are bushes. Hence I follows. All hills are trees + All trees are Jungles A + A = A = All hills are jungles → conversion → Some jungles are hills (I). Hence II follows.

16. 4; B, F and I

17. 5; 14 - 6 = 8 from right = ★

18. 4; A  $\begin{bmatrix} 7 \\ 5 \end{bmatrix}$  C, U  $\begin{bmatrix} 5 \\ 5 \end{bmatrix}$  K, I  $\begin{bmatrix} 2 \\ 2 \end{bmatrix}$  F

19. 1;  $\begin{bmatrix} B & +3 & \rightarrow & A & -1 & \rightarrow & \# \end{bmatrix}$

$\# \xrightarrow{+2} 7 \xrightarrow{-1} A, 5 \xrightarrow{+2} \star \xrightarrow{-1} K$

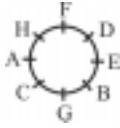
$W \xrightarrow{+2} 2 \xrightarrow{-1} I, 3 \xrightarrow{+2} @ \xrightarrow{-1} H$

20. 2; 1 ↔ 8, 2 ↔ 7 and so on.

Thus, interchange places' sum is 9,

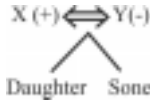
So 6th from the left interchanges with 3rd element from the left ∴ Answer is 3.

(21-25):



21. 1                      22. 4; D, E and G  
 23. 3    24. 2    25. 5; Second to the right  
 26. 3; After adding one to greatest and smallest, the numbers are 840 and 276 respectively.  
 27. 1; After interchanging the positions of the first and the last digits in each number, we get a new set of numbers as given below:  
 724 185 938 572 985  
 Hence, the third highest number is 724, which is the new form of 427.  
 28. 5; After interchanging 2nd and 3rd digits in each number, we get a new set of numbers as given below;  
 472 518 893 257 598  
 Hence, the second highest number is 598, which is the new form of 589.  
 29. 2; After subtracting two from the first digit of each of the numbers and then interchanging first and third digits in each number, we get a new set of numbers as given below:  
 722 183 936 570 983  
 30. 4; After arranging all the three digits in each number in the ascending order, we get a new set of numbers as given below:  
 247 158 389 257 589  
 Hence, the third lowest number is 257, which is the new form of 275.  
 31. 3; K Q A P J E  
           2 £ 5 \$ 8 2  
 Apply condition (i).  
 32. 1; E M A N R B  
           ★ 7 5 @ 1 2  
 Apply condition (ii).  
 33. 5; J A Q D K P  
           8 5 £ % 3 \$  
 No condition applies.  
 34. 2; Q D B G R M  
           £ © ★ 6 © 7  
 Apply condition (iii).  
 35. 4; I K Q L M S  
           9 3 £ # 7 4  
 Apply condition (ii).  
 36. 1; **From I:** Q is lighter than only T  
 ⇒ T is the heaviest.  
**From II:** We don't know about Q.

37. 5; The final answer can come only when you start with II and continue with I.  
 38. 4; I is not sufficient because percentage terms do not lead us anywhere. II can only give us Nitesh's rank from the bottom.  
 39. 5; **From I:** X is a male.  
 Combining this with II, we get



- Hence X is the husband of Y.  
 40. 2; In I, 'at least' leads us nowhere. In II, however, we know the date and can therefore find out the day.  
 41. 3                      42. 2  
 43. 1; In each step, three elements get inverted.  
 44. 3; In each step, the elements shift half-a-side ACW and rotate in a set order.  
 45. 5; In each step, the whole figure rotate, by 90° ACW. Their orientation follows if 1 = 4, 2 = 5 then 3 = 6 rule.  
 46. 4; In alternate steps, three and two line segments are added to form squares.  
 47. 5; Follow rotation of each stick separately.  
 48. 2; In each step, the outermost element becomes the innermost. The innermost and the middle one become the outermost in alternate steps.  
 49. 5; In alternate steps, elements rotate by 90° ACW and 45° CW while a new element is added in each step.  
 50. 3; In alternate step zero and one arcs are lost in set order.  
 51. 1;  $\frac{24}{5} + \frac{32}{5} = \frac{24}{32} = \frac{3}{4}$   
 53. 1;  $\frac{1193.85}{(42 \times 1.5)} = \frac{1193.85}{63} = 18.95$   
 54. 5;  $7719 + 8725 + 9124 = 25568$   
 55. 5;  $? = \frac{46.98}{8.7} = 5.4$   
 56. 3;  $27^2 \times 4^2 \times 2^2 - (111)^2$   
 $= (216)^2 - (111)^2$   
 $= (216 + 111)(216 - 111)$   
 $= 327 \times 105 = 327 \times 100 + 327 \times 5$   
 $= 327000 + 1635 = 34335$   
 57. 5;  $7777 \div 77 \div 5 = 101 \div 5 = 20.2$   
 58. 5;  $8878 - (4125 + 1157)$   
 $= 8878 - 5282 = 3596$

59. 3  
 60. 3;  $421 \times 38 - 3543$   
 $= 15998 - 3543 = 12455$   
 61. 1;  $? = 171 \times \frac{48}{12} = 684$   
 62. 3;  $x^a \cdot x^b = x^{(a+b)}$   
 63. 2;  $(1111 + 111 + 11) + (.11 + .10 + .11)$   
 $= 1233.32$   
 64. 1;  $? = \frac{9884}{16} \times \frac{1}{5} = 123.55$   
 65. 4;  $(25 + 1.5)\%$  of 488  
 $= \frac{1}{4} \times 488 + \frac{3}{2} \times 4.88 = 122 + 7.32 = 129.32$   
 66. 2;  $4.4 \times 4.8 \times \frac{23}{2} - 141.27$   
 $= (2.2)(5 + 0.8) \times 23 - 141.27$   
 $= (11 + 1.76) \times 23 - 141.27$   
 $= (13 - 0.24) \times 23 - 141.27$   
 $= 299 - 5.52 - 141.27 = 152.21$   
 67. 2;  $50\%$  of 112 -  $2\%$  of 112 - 45.4  
 $= ? \times .88$   
 $\Rightarrow \frac{56 - 2.24 - 45.4}{.88} = ? \Rightarrow \frac{8.36}{.88} = 9.5$   
 68. 4;  $? = 880 - 80\% = \frac{4}{5}$  of  
 785 -  $4\%$  of 785  
 $= 880 - 628 - 31.4 = 220.6$   
 69. 2;  $(485 + 338 - 259) + (.21 + .47 - .12)$   
 $= 564.56$   
 70. 5;  $? = (73669 + 12457 - 25156) = 60970$   
 71. 3;  $? = \frac{(126315 - 87924)}{67} = \frac{138391}{67} = 573$   
 72. 4;  $\sqrt{?} = \frac{36652}{187} = 196$   
 $\Rightarrow ? = (196)^2 = 38416$   
 73. 1;  $\sqrt{?} = \sqrt{19881} - 43$   
 $= 141 - 43 = 98 \Rightarrow ? = (98)^2 = 9604$   
 74. 4  
 75. 2;  $? = \frac{1}{25} \times (15127 + 4323 - 825)$   
 $= \frac{1}{25} \times 18625 = 745$   
 76. 4; Approx value  
 $= \frac{5555}{42} \times 361 + 64.5 = 47614 + 64.5$

