

INSTITUTE OF BANKING PERSONNEL SELECTION

BANK CLERK-2015 PRELIMS PAPER

Based on Memory

PRELIMINARY EXAMINATION (OBJECTIVE)*

Sr. No	Name of Tests	No. of Questions	Maximum Marks	Time allotted for each test (Separately timed)
1.	English Language	30	30	20 minutes
2.	Numerical Ability	35	35	20 minutes
3.	Reasoning Ability	35	35	20 minutes
Total		100	100	60 minutes

Candidates have to qualify in each of the three tests by securing cut-off marks to be decided by IBPS. Adequate number of candidates in each category as decided by IBPS depending upon requirements will be shortlisted for Online Main examination.

INSTRUCTIONS

- (i) Do not use calculators, or any electronic medium for calculations. You may take a clean sheet of paper for rough work and all calculations must be performed manually by the candidate.
- (ii) There will be penalty for wrong answer marked by you in the objective tests. There are five alternatives in every question of a test.
- (iii) For each question for which a wrong answer has been given by you, $1/4$ or 0.25 of the marks assigned to that question will be deducted as penalty. If a question is left blank, i.e. no answer is given by you, there will be no penalty for that question.
- (iv) There will be a cut off for each section and an overall cut off as well. Hence, your aim should be to answer maximum number of attempts in all three sections.

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ENGLISH LANGUAGE

Directions (Qs.1-5): Rearrange the following five sentences (A), (B), (C), (D) and (E) in the proper sequence so as to form a meaningful paragraph, and then answer the questions given below:

- (A) She thought it was very dangerous to have that mallet there, and started talking to herself.
- (B) It must have been there for a long time but somehow she had never noticed it before, and she began thinking.
- (C) Saying all this, she threw her tools, sat herself down and began crying.
- (D) Once evening when Mia had gone down to the cellar, she happened to look up at the ceiling and saw a mallet (a kind of wooden hammer) stuck in one of the beams.
- (E) She said "Suppose I was to be married, and have a son, and he was to grow up to be a man, and come down into the cellar, like I am doing now and the mallet was to fall on his head and kill him, what a dreadful thing it would be!"

1. Which of the following should be the **LAST (FIFTH)** sentence after the rearrangement?
(1) A (2) E (3) C (4) D (5) B
2. Which of the following should be the **FIRST** sentence after the rearrangement?
(1) A (2) B (3) C (4) D (5) E
3. Which of the following should be the **THIRD** sentence after the rearrangement?
(1) A (2) B (3) C (4) D (5) E
4. Which of the following should be the **SECOND** sentence after the rearrangement?
(1) A (2) B (3) C (4) D (5) E
5. Which of the following should be the **FOURTH** sentence after the rearrangement?
(1) A (2) B (3) C (4) E (5) D

Directions (Qs.6-10): In these questions, sentences with four bold words are given. One from four words given in the **bold** may be either wrongly spelt or inappropriate in the context of the sentence. Find out the word which is wrongly spelt or inappropriate, if any. That word will be your answer. If all words given in the **bold** are correctly spelt and also appropriate in the context of the sentence, then '**All Correct**' is your answer.

6. The government has **permitted** foreign direct investment in **digitail service** providers upto a limit of 50 **percent**.
(1) permitted (2) digitail (3) service (4) percent (5) All correct
7. A bank gift card is **usually** a **prepaid** card which can be used in an ATM to **cheque** the balance but one cannot **withdraw** cash.
(1) usually (2) prepaid (3) cheque (4) withdraw (5) All correct
8. He first **joined** the Board of Directors two years **ago** and has expressed his concerns at **various global** debates,
(1) joined (2) ago (3) various (4) global (5) All correct

9. The **waste amount** of **information** available today has created a more knowledgeable **public**.
(1) waste (2) amount (3) information (4) public (5) All correct
10. Some of the **steps** taken over the **late** few months have made the tax return **filing** process **simpler**.
(1) steps (2) late (3) filing (4) simpler (5) All correct

Directions (Qs.11-20): Read the following passage carefully and answer the questions given. Certain words/phrases have been given in **bold** to help you locate them while answering some of the questions:

A long time ago, an honest king ruled over a small kingdom named Bijanagar. Every day, the king would listen to the complaints of his people and try to solve their problems in the best possible way. One day, a soldier came running into the king's court. 'I have an alarming piece of news. My Lord!' cried out the soldier. 'My wife told me that there is some evil in our kingdom. Crops have been **ruined** and wells have been poisoned!' When the minister heard this, he instantly walked up to the king and said, "I guess some enemy is trying to create panic in our kingdom, so that our attention gets diverted to solving our internal problems. And then the enemy will take advantage of our inner disturbances and attack us," said the minister

You seem to be right!' nodded the king. 'What shall we do then?' The minister said. 'In my opinion, we should not let our people know that we suspect our enemy. It may give rise to contempt. Instead, we should distribute food and water among our people and tell them that the crops might have been damaged because of some disease. Meanwhile, I will disguise myself as an old man and try to find out the truth.' The king agreed. That evening, the minister disguised himself as a poor old man and came out of the palace **stealthily**.

The Minister went to a farmer's house and called out, 'Food! Please give me food!' The farmer came out with two pieces of bread in his hand and said. This is all that I have, O old man!' "You seem to be in trouble", said the old man. "Yes, someone has been very cruel. They have stamped and ruined my crops,' said the farmer. "But I heard the crops were ruined because of a disease," said the old man. 'No, that's not true!' the farmer interrupted. "The royal guards are the culprits. They have stamped our crops and poisoned our wells." "How can you be so sure?" asked the old man. 'I heard it from some people at the inn nearby', replied the farmer.

The old man thanked the farmer for the food and left. He then went to the inn nearby. He saw some people gathered near a table, discussing their ruined crops and wells. Among them were two young men talking loudly. "Our king didn't punish his royal guards for his wicked deed. Instead, he is trying to cover up by providing food to us!" said one of them. 'Yes, our king isn't honest any more. He has lost his goodwill!' backed up the other. Everyone standing there nodded in agreement. After a while, the two young men prepared to leave. The minister disguised as the old man was watching them. He started following the two young men. When they came out of the inn, one of the young men said. "We have **provoked** these people against their king. We must continue the same way. Within a couple of days, the angry citizens will revolt against their ruler. Then we should inform our king" and that would be the most appropriate moment to attack', laughed the other young man.

The Minister heard it all. He hid behind a tree. The two young men went inside a small hut. The minister came back to the palace and informed the king about the wicked plan of the other kingdom. Instantly the soldiers rode to the small hut where the two men are staying and captured them. The next morning, the culprits were brought out in the palace for their evil plan and were punished for their deeds.

11. Which of the following is most nearly the **OPPOSITE** in meaning to the word '**Ruined**' as used in the story?
- (1) reconstructed (2) built (3) succeeded
(4) nurtured (5) accomplished
12. Which of the following can be an appropriate title for the story?
- (1) The Ungrateful Citizens
(2) The Evil in Bijanagar
(3) The Good Harvest
(4) Never Trust your Minister
(5) Disguise-The Only Way to Reveal the Truth
13. Which of the following statements is true in the context of the story?
- (1) The real culprits behind the mischief were the soldiers for Bijanagar
(2) The King initially hesitated to agree with the Minister's plan
(3) The Minister was gifted gold coins upon identifying the culprits
(4) The farmer who gave bread to the Minister was kind and humane
(5) None of these
14. Which of the following is most nearly the **SAME** in meaning to the word '**Provoked**' as used in the story?
- (1) motivated (2) heightened (3) instigated
(4) allowed (5) injured
15. Which of the following correctly explains the meaning of the phrase, 'lost his goodwill' as used in the story?
- (1) Misplaced his valuables
(2) Lost his relatives
(3) Suffered a serious injury
(4) Failed to gain the love of his friends in the first place
(5) Lost respect among his people
16. Which of the following characteristics of the Minister comes across distinctly through the story?
- (1) He was cowardly (2) He was sharp (3) He was greedy
(4) He was old (5) He was violent
17. As mentioned in the story, the Minister disguised himself as an old man to -
- (A) visit the kingdom without the fear of being thrashed by public.
(B) participate in a local fair.
(C) identify the culprit causing mischief in Bijanagar.
- (1) Only A (2) Both A and B (3) Only C
(4) Both B and C (5) Only B

18. As mentioned in the story, the young were provoking the citizens of Bijanagar because –
 (1) they were being bribed by the Minister for doing so
 (2) It was a part of their plan to attack Bijanagar
 (3) they wanted to ruin the reputation of Bijanagar
 (4) they were notorious by nature
 (5) None of these
19. Which of the following is most nearly the **SAME** in meaning to the word '**Stealthily**' as used in the story?
 (1) secretly (2) honestly (3) publicly (4) shyly (5) healthily
20. Which of the following is most nearly the **OPPOSITE** in meaning to the word '**Confess**' as used in the story?
 (1) hide (2) reveal (3) sing (4) believed (5) deny

Directions (Qs.21-25): Read this sentence to find out whether there is any grammatical mistake/error in it. The error if any, will be in one part of the sentence. Select the part with the error as your answer. If there is no error, select 'No error' as your answer. (Ignore the errors of punctuation, if any)

21. (1) The cook quickly/ (2) come inside and/ (3) caught hold of/(4) the surprised crow./ (5) No error
22. (1) One summer afternoon/ (2) the queen and her maid/ (3) set out for a stroll/ (4) in the palace gardens. / (5) No error
23. (1) All the hunters/ (2) stopped in their tracks/ (3) as the deer they saw/ (4) was extremely beautiful./ (5) No error
24. (1) As days went away, the jackal/ (2) became fat and healthy because/ (3) the lion was a good hunter and always/ (4) left a generous share for his friend./ (5) No error
25. (1) The merchant called out to/ (2) the villagers in his high voice/ (3) and it all came eagerly/ (4) to see what he had with him./ (5) No error

Directions (Qs.26-30): In the following passage, there are blanks, each of which has been numbered. These numbers are given 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.

Once upon a time, there lived a poor orphan who was an exceptional artist and would often draw pictures of rivers, mountains and people. One day, a fairy gifted him a golden paint brush and to his great ...(26)... whatever he painted with the brush came to life. His fame spread and he was brought to the king's ...(27)... . The King and his ministers took the boy into the fields. '...(28)... an ocean here!' ordered the king. The boy protested that it wasn't right and the fields and houses would be ...(29)... . But the king ordered him to paint the ocean and a storm. The boy painted ...(30)... and the storm was so violent that the boat in which the king and his ministers were, overturned, killing them.

26. (1) doubt (2) surprise (3) miracle (4) sorrow (5) problem

27. (1) favour (2) dilemma (3) court (4) justice (5) riches
 28. (1) Sail (2) origin (3) Cry (4) Create (5) Find
 29. (1) damage (2) hurt (3) form (4) destroyed (5) wiped
 30. (1) slowly (2) similar (3) equally (4) skilful (5) accordingly

NUMERICAL ABILITY

31. Ruhi spends 30% of her monthly salary on rent, transportation and bills in the respective ratio of 7 : 5 : 3. If he spends Rs.3560 on the transportation, how much is her monthly salary?
 (1) Rs.30,250 (2) Rs.40,000 (3) Rs.35,600 (4) Rs.44,750 (5) Rs.36,000

Directions (Qs.32-36): Study the table carefully and answer the given questions.

Number of members in 5 book clubs during 5 given years:

Year	2006	2007	2008	2009	2010
Book club					
M	189	133	169	113	189
N	125	164	205	129	187
O	121	120	189	178	195
P	147	167	145	147	123
Q	129	234	154	169	177

32. Number of members in book club O increased by what percent from 2007 to 2010?
 (1) 65 (2) 64.5 (3) 58 (4) 62.5 (5) 56.5
33. What is the difference between total number of members in book clubs O and P together in 2006 and that in book clubs M and N together in 2008?
 (1) 98 (2) 94 (3) 96 (4) 104 (5) 106
34. What is the respective ratio between total number of members in book club M in 2006 and 2010 together and that in book club Q in the same years together?
 (1) 21 : 17 (2) 21 : 19 (3) 19 : 17 (4) 23 : 19 (5) 23 : 17
35. What is the average number of members in book clubs M, N and Q in 2007?
 (1) 179 (2) 181 (3) 177 (4) 183 (5) 173
36. If 45% of the total number of members in book clubs M, N and O together in 2009 are males, what is the total number of male members in book clubs M, N and O together in 2009?
 (1) 181 (2) 189 (3) 187 (4) 191 (5) 197
37. Five years ago, the average of Simi's age that time and Tia's age that time was 17 years. Four years from now, the respective ratio between Simi's age and Tia's age that time will be 8 : 5. What is Simi's present age?
 (1) 16 years (2) 11 years (3) 32 years (4) 28 years (5) 23 years

38. The profit earned by selling an article for Rs.730 is double the loss incurred when the same article is sold for Rs.265. What would be the selling price of the article if it is sold at 15% profit?
 (1) Rs.491 (2) Rs.495 (3) Rs.477 (4) Rs.483 (5) None of these
39. $\frac{2}{5}$ th of a number is two more than $\frac{1}{3}$ rd another number. If the sum of the two numbers is 16, what is their product?
 (1) 30 (2) 120 (3) 60 (4) 150 (5) 90
40. A boat can travel 12.6 km. upstream in 54 minutes. If the speed of the water current is $\frac{1}{8}$ th of the speed of the boat in still water, how much distance (in km) the boat can travel downstream in 35 minutes?
 (1) 9 (2) 10.5 (3) 9.5 (4) 11.5 (5) 12
41. A circular copper wire of radius 7 cm is bent to form a rectangle. If the breadth and the length of a rectangle are in the ratio of 4 : 7 respectively, what is the breadth of the rectangle? (in centimeters)
 (1) 8 cm (2) 14 cm (3) 10 cm (4) 12 cm (5) None of these
42. A started a business by investing Rs.5,000 and after 2 months B joined by investing Rs.6,000. At the end of 4 months from the start of the business, C joined them with an investment of Rs.12,000. At the end of 10 months from the start of the business, A withdrew Rs.3000. If A's share in the annual profit was Rs.1260, what was the total annual profit?
 (1) Rs.5250 (2) Rs.4375 (3) Rs.5600 (4) Rs.4725 (5) Rs.4900
43. The sum of two positive numbers is 1508. If 25% of the first number is equal to 40% of the second number, what is the smaller number among the two?
 (1) 400 (2) 640 (3) 580 (4) 420 (5) 560
44. Three pipes A, B and C together can fill a tank in 6 hours. After working at it together for 2 hours, C is closed and A and B together can fill the remaining part in 7 hours. The number of hours taken by C alone to fill the empty tank is
 (1) 10 (2) 12 (3) 14 (4) 16 (5) None of these
45. A motor car starts with the speed of 70 kmph with its speed increasing every two hours by 10 kmph. In how many hours will it cover 345 km.?
 (1) $2\frac{1}{4}$ hrs. (2) 4 hrs. 5 min (3) $4\frac{1}{2}$ hrs. (4) Can't say (5) None of these
46. A bag contains 2 red, 3 green and 2 blue balls. Two balls are drawn at random. What is the probability that none of the balls drawn is blue?
 (1) $\frac{10}{21}$ (2) $\frac{11}{21}$ (3) $\frac{2}{7}$ (4) $\frac{5}{7}$ (5) None of these

Directions (Qs.47-56): What should come in place of the question mark (?) in the following questions?

47. $60\% \text{ of } 540 + 45\% \text{ of } ? = 468$
 (1) 360 (2) 320 (3) 340 (4) 280 (5) 300

48. $60 \div 1.8 \times 54 - ? = 1260$
 (1) 570 (2) 480 (3) 560 (4) 540 (5) 460
49. $\sqrt{1849} + \sqrt{441} = 2^{16-?}$
 (1) 14 (2) 12 (3) 6 (4) 10 (5) 8
50. $(625.75 + 450.5 + ?) \times \frac{3}{5} = 750$
 (1) 163.25 (2) 173.75 (3) 167.25 (4) 176.25 (5) 156.75
51. $8^2 \times 7^2 \div \sqrt{196} - 143 = 3^?$
 (1) 5 (2) 6 (3) 3 (4) 4 (5) 2
52. $\left(\frac{4}{7} + 1\frac{3}{7} + \frac{3}{4}\right)$ of ? = 693
 (1) 308 (2) 364 (3) 252 (4) 196 (5) 224
53. $\sqrt{108 \times 6 + 98 - 121} = ?^2$
 (1) 5 (2) 7 (3) 4 (4) 3 (5) 8
54. $(0.4 \times 450) \div 4 = 5 \times 3^?$
 (1) 3 (2) 1 (3) 2 (4) -3 (5) -2
55. 20% of 225 + 75 = ?% of 150
 (1) 90 (2) 80 (3) 70 (4) 75 (5) 85
56. $\left(2\frac{2}{3} \times 6\frac{3}{4}\right) + ? = 3^3$
 (1) 18 (2) 7 (3) 19 (4) 11 (5) 9

Directions (Qs.57-61): What will come in place of the question mark (?) in the following number series?

57. 18 37 75 132 ? 303
 (1) 239 (2) 227 (3) 219 (4) 208 (5) 242
58. 220 229 211 247 ? 319
 (1) 164 (2) 185 (3) 175 (4) 159 (5) 193
59. 3 4 9 28 113 ?
 (1) 486 (2) 492 (3) 528 (4) 534 (5) 566
60. 24 ? 12 18 36 90
 (1) 9 (2) 12 (3) 8 (4) 4 (5) 6
61. 220 108 52 24 10 ?
 (1) 2 (2) 0.5 (3) 4 (4) 3 (5) 5

62. There are five positive observations. Average of the first three observations is 8 and that of the last three observations is 6. If the average of all five observations is 6, what is the third observation?
 (1) 10 (2) 8 (3) 12 (4) 14 (5) 6
63. Dan invested certain sum in scheme A, which offers simple interest at the rate of 8% p.a. for 4 years. He also invested Rs.4000 in scheme B, which offers compound interest (compounded annually), at 10% p.a. for 2 years. If the interest earned from Scheme A is $\frac{4}{5}$ th of the interest earned from scheme B, what is the sum invested in scheme A?
 (1) Rs.3400 (2) Rs.2100 (3) Rs.3250 (4) Rs.3650 (5) None of these
64. The perimeter of an equilateral triangle is 40 m less than the perimeter of a square. If the respective ratio between the side of the triangle and side of a square is 8 : 11, what is the area of the square? (in m²)
 (1) 441 (2) 324 (3) 289 (4) 576 (5) 484
65. A and B can independently finish a piece of work in 30 days and 40 days respectively. They started working together and after few days B left. After that A could finish the remaining work in 16 days. After how many days of working together B left?
 (1) 10 (2) 6 (3) 12 (4) 4 (5) 8

REASONING ABILITY

66. All the letters of the word **JUNKYARD** are arranged in alphabetical order from left to right. Then all the vowels are replaced with the next alphabet (as per the English alphabetical order), then which of the following will be the second letter from the right end?
 (1) V (2) D (3) K (4) N (5) R

Directions (Qs.67-68): Study the following information carefully and answer the questions given below:

M is the father of V. V is the sister of X. X is married to R. R is the daughter of P. P is the wife of H.

67. If N is the only child of V, then how is N related to M?
 (1) Grandfather (2) Daughter (3) Son (4) Can't say (5) Brother
68. How is X related to H?
 (1) Son-in-law (2) Nephew (3) Daughter (4) Son (5) Daughter-in-law
69. In a straight line of twelve persons (facing north), P sits fifth from the left end of the line. Only three persons sit between J and P. S sits second to the right of J. O sits third to the right of S. How many persons sit between O and P?
 (1) None (2) Can't say (3) Three (4) One (5) Two
70. If all the numbers in 42731658 are arranged in ascending order from left to right, the position(s) of many number(s) will remain unchanged?
 (1) None (2) More than three (3) Three
 (4) One (5) Two

Directions (Qs.71-75): Study the following information carefully and answer the questions given below:

Eight persons – J, K, L, M, N, O, P and Q – are sitting around a circular table facing the centre but not necessarily in the same order.

Only three persons sit between Q and P. N sits third to the right of O. O is neither an immediate neighbour of Q nor P. J is an immediate neighbour of P. Only three persons sit between J and K. Only one person sits between K and M. M is not an immediate neighbour of Q.

71. Who among the following sits second to the left of O?
(1) K (2) L (3) M (4) P (5) Q
72. Who amongst the following represent the immediate neighbour of Q?
(1) M, K (2) K, N (3) L, K (4) J, N (5) J, L
73. Which amongst the following is true regarding L, as per the given arrangement?
(1) Only three persons sit between O and L
(2) None of the given statements is true
(3) N sits second to the left of L
(4) P is one of the immediate neighbours of L
(5) Only one person sits between L and K
74. Four of the following five are alike in a certain way based on their positions in the given arrangement and so form a group. Which is the one that **does not belong** to that group?
(1) MKO (2) POM (3) LKN (4) NJL (5) KNQ
75. How many persons are seated between O and J, when counted from the left of J?
(1) None (2) One (3) Two (4) Three (5) Four

Directions (Qs.76-80): The following questions are based on five three – digit numbers given below:

415 764 327 542 256

76. What will be the resultant if second digit of the lowest number and third digit of the highest number are multiplied?
(1) 20 (2) 14 (3) 8 (4) 30 (5) 36
77. If '1' is added to the first digit of every odd number and '2' is subtracted from the second digit of every even number, in how many numbers will a digit appear twice?
(1) Two (2) Three (3) Four (4) None (5) One
78. The positions of the first and the second digits of each of the numbers are interchanged. What will be the resultant if third digit of the highest number thus formed is divided by the second digit of the lowest number thus formed?
(1) 3 (2) 4 (3) 2.5 (4) 1.5 (5) 1
79. If in each number all the digits are arranged in ascending order from left to right within the number, how many numbers thus formed will be odd numbers?
(1) None (2) Two (3) One (4) Four (5) Three

80. If all the numbers are arranged in ascending order from left to right, which of the following will be the sum of all three digits of the number which is third from the left?
- (1) 12 (2) 11 (3) 10 (4) 13 (5) 17

Directions (Qs.81-85): In each of the following questions, relationship between different elements is shown in the statements. The statements are followed by two Conclusions numbered I and II. Study the Conclusions based on the given statement(s) and select the appropriate answer:

81. **Statement:** $F < R < L \leq S > O$
Conclusions: I. $F < S$ II. $O > R$
(1) **Both** Conclusions I **and** II are true
(2) **Either** Conclusion I **or** II is true
(3) **Only** Conclusion I is true
(4) **Only** Conclusion II is true
(5) **Neither** Conclusion I **nor** II is true
82. **Statement:** $U \leq C = N < Q \geq J$
Conclusions: I. $Q > U$ II. $C < J$
(1) **Both** Conclusions I **and** II are true
(2) **Either** Conclusion I **or** II is true
(3) **Only** Conclusion I is true
(4) **Only** Conclusion II is true
(5) **Neither** Conclusion I **nor** II is true
83. **Statement:** $G \geq R = O \geq W$
Conclusions: I. $G > W$ II. $W = G$
(1) **Both** Conclusions I **and** II are true
(2) **Either** Conclusion I **or** II is true
(3) **Only** Conclusion I is true
(4) **Only** Conclusion II is true
(5) **Neither** Conclusion I **nor** II is true
84. **Statements:** $K > E \geq R = A; E < B$
Conclusions: I. $K = A$ II. $A < B$
(1) **Both** Conclusions I **and** II are true
(2) **Either** Conclusion I **or** II is true
(3) **Only** Conclusion I is true
(4) **Only** Conclusion II is true
(5) **Neither** Conclusion I **nor** II is true
85. **Statement:** $D = O < L \leq P > H$
Conclusions: I. $P < D$ II. $O > H$
(1) **Both** Conclusions I **and** II are true
(2) **Either** Conclusion I **or** II is true
(3) **Only** Conclusion I is true
(4) **Only** Conclusion II is true
(5) **Neither** Conclusion I **nor** II is true

Directions (Qs.86-90): In each of the following questions, a group of numbers/symbols followed by five combinations of inter codes is given. You have to find out which of the combinations correctly represents the group of numbers/symbols based on the given coding system and the conditions and mark that combination as your answer.

Numbers/Symbols	6	*	@	4	3	&	+	#	7	9	%	2	^	5	8
Letter Code:	F	M	D	U	S	J	R	Y	A	Q	Z	L	P	C	U

Conditions:

- If the first and the third elements are symbols then their codes are to be interchanged.
- If an odd number is immediately followed as well as immediately preceded by a symbol then that odd number is to be coded as 'X'.
- If the last element is an even number then the first element is to be coded as the code of that even number.
- If the second element is symbol then the code of that symbol is to be interchanged with the code of first element.

- 86.** @ ^ 2 * 4 3
 (1) DPLMUS (2) MPXDUS (3) PDLMUS (4) MPLDUS (5) PDXMUS
- 87.** 6 4 # % 9 &
 (1) FUYZXJ (2) YUFZQJ (3) FUYJXZ (4) JUYFQZ (5) YUFXQJ
- 88.** * 2 # @ 8 7
 (1) LMYDUA (2) YLMDUA (3) YLMXUA (4) MXYDUA (5) MLYDUA
- 89.** & 4 % # 2 7
 (1) UJZYLA (2) JKZYLA (3) ZUJYUA (4) ZUJYLA (5) JUZYLA
- 90.** + 9 5 # 6 8
 (1) YQCRFU (2) YQCYFU (3) UQCRXU (4) QRCYFU (5) UQCYFU

Directions (Qs.91-95): Study the following information carefully and answer the questions given below:

Seven persons – J, K, L, M, P, Q and R – are seated in a straight line facing north, with equal distance between each other but not necessarily in the same order. P sits third to the left of K. Q sits second to the right of K. L sits third to right of R. R does not sit any of the extreme ends of the line. Only one person sits between R and J.

- 91.** What is the position of J with respect to P?
 (1) Immediate left (2) Third to the left (3) Fourth to the left
 (4) Fifth to the right (5) Second to the right
- 92.** How many persons are seated between R and Q?
 (1) Two (2) Three (3) None (4) Four (5) One
- 93.** Who amongst the following sits to the immediate right of L?
 (1) P (2) J (3) K (4) Q (5) M

ANSWER WITH EXPLANATION:

For (Qs.1-5): DBAEC

1. **Ans (3): C**
2. **Ans (4): D**
3. **Ans (1): A**
4. **Ans (2): B**
5. **Ans (4): E**
6. **Ans (2): digitail**
Correct spelling is: digital.
7. **Ans (3): cheque**
Appropriate word should be: **Check** = (examine).
8. **Ans (1): joinned**
Correct spelling is: joined.
9. **Ans (1): waste**
Appropriate word should be **vast**.
10. **Ans (2): late**
Appropriate word should be **last**.
11. **Ans (4): nurtured**
Ruin (Verb) = to damage something badly; wreck. **Nurture (Verb)** = to care for and protect something while they are growing or developing.
12. **Ans (2): The Evil in Bijanagar**
13. **Ans (4): The farmer who gave bread to the Minister was kind and humane**
14. **Ans (3): instigated**
Provoke (Verb) = to cause a particular reaction or have a particular effect; to do something to annoy somebody; instigate.
Look at the sentences: The lawyer claimed his client was provoked into acts of violence by the defendant. They were accused of instigating racial violence.
15. **Ans (5): Lost respect among his people**
16. **Ans (2): He was sharp**
17. **Ans (3): Only C**
18. **Ans (2): It was a part of their plan to attack Bijanagar**
19. **Ans (1): secretly**
Stealthily (Adverb) = doing things quietly or secretly.

20. **Ans (5): deny**

Confess (Verb) = to admit that you have done something wrong or illegal. **Deny (Verb)** = to refuse to admit.

21. **Ans (2): come inside and**

The sentence shows past time. Hence, Past simple i.e., came inside and should be used.

22. **Ans (5): No error**

23. **Ans (5): No error**

24. **Ans (1): As days went away, the jackal**

Go away = to leave a person or place.

Go by = to pass

Look at the sentence: Things will get easier as time goes by.

Hence, As days went by should be used here.

25. **Ans (1): The merchant called out to**

Call somebody out = to ask somebody to come, especially to an emergency. Hence, use of preposition 'to' is superfluous.

26. **Ans (2): surprise**

27. **Ans (3): court**

28. **Ans (4): Create**

29. **Ans (4): destroyed**

30. **Ans (5): accordingly**

31. **Ans (3): Rs.35,600**

Let Ruhi's monthly salary be Rs. x . \Rightarrow 30% of his monthly salary = Rs. $\frac{30x}{100} = Rs. \frac{3x}{10}$

Rent: Transportation: Bills = 7 : 5 : 3

\Rightarrow Sum of the terms of ratio = 7 + 5 + 3 = 15

$\therefore \frac{5}{15} \times \frac{3x}{10} = 3560 \Rightarrow x = 3560 \times 10 = Rs.35600$

32. **Ans (4): 62.5**

Percentage increase = $\left(\frac{195-120}{120}\right) \times 100 = \frac{7500}{120} = 62.5\%$

33. **Ans (5): 106**

Required difference = (169 + 205) - (121 + 147) = 374 - 268 = 106

34. **Ans (1): 21 : 17**

Required average = (189 + 189) : (129 + 177) = 378 : 306 = 21 : 17

35. **Ans (3): 177**

Required ratio = $\frac{133+164+234}{3} = \frac{531}{3} = 177$

36. Ans (2): 189

Number of members in book clubs M, N and O in the year 2009
= 113 + 129 + 178 = 420

$$\therefore \text{Number of male members} = 45\% \text{ of } 420 \Rightarrow \frac{420 \times 45}{100} = 189$$

37. Ans (4): 28 years

Sum of present ages of Simi and Tia = $(2 \times 17) + 10 = 44$ years

After 4 years from today, Simi's age = $8x$ years; Tia's age = $5x$ years

$$8x + 5x = 44 + 8 \Rightarrow 13x = 52 \Rightarrow x = \frac{52}{13} = 4$$

$$\therefore \text{Simi's present age} = 8x - 4 = (8 \times 4) - 4 = 28 \text{ years}$$

38. Ans (4): Rs.483

Let the C.P. of article be Rs. x .

$$\therefore 730 - x = 2(x - 265) \Rightarrow 730 - x = 2x - 530$$

$$\Rightarrow 2x + x = 730 + 530 \Rightarrow 3x = 1260$$

$$\therefore x = \frac{1260}{3} = \text{Rs.}420.$$

$$\therefore \text{Required S.P.} = \frac{420 \times 115}{100} = \text{Rs.}483$$

39. Ans (3): 60

Let the numbers be x and y .

$$\frac{2}{5}x = \frac{1}{3}(y+2) \Rightarrow \frac{2x}{5} - \frac{y}{3} = 2 \Rightarrow 6x - 5y = 30 \dots\dots(i)$$

$$x + y = 16 \dots\dots(ii)$$

Solving equations (i) and (ii) $x = 10$; $y = 6$

$$\therefore \text{Required product} = 10 \times 6 = 60$$

40. Ans (2): 10.5

$$\text{Upstream} \Rightarrow x - y = \frac{12.6 \times 60}{54} = 14$$

$$\text{Speed of the current (y)} = \frac{1}{8} \times \text{Speed of the boat in still water (x)}$$

$$\text{Ratio of } x \text{ and } y = 1 : 8$$

$$8x - x = 7x = 14 \Rightarrow x = 2$$

$$\text{Downstream} \Rightarrow x + y = 9x = \frac{D \times 60}{35} \Rightarrow 18 = \frac{D \times 60}{35} \Rightarrow D = 10.5 \text{ km}$$

41. Ans (1): 8 cm

$$\text{Length of copper wire} = 2\pi r \Rightarrow 2 \times \frac{22}{7} \times 7 = 44 \text{ cm.}$$

Perimeter of rectangle = 44 cm.

$$\therefore 2(l + b) = 44 \Rightarrow 2(7x + 4x) = 44 \Rightarrow 11x = \frac{44}{2} \Rightarrow x = \frac{44}{11 \times 2} = 2$$

$$\therefore \text{Breadth of rectangle} = 4x = 8 \text{ cm.}$$

42. Ans (5): Rs.4900

Ratio of the equivalent capital of A, B and C for 1 month
= $(5000 \times 10 + 2000 \times 2) : (6000 \times 10) : (12000 \times 8)$
= $(50000 + 4000) : 60000 : 96000$
= $54 : 60 : 96 = 9 : 10 : 16$

Sum of the terms of ratio = $9 + 10 + 16 = 35$

If total annual profit be Rs. x ,

$$\Rightarrow \therefore \frac{9x}{35} = 1260 \Rightarrow 9x = 1260 \times 35 \Rightarrow x = \frac{1260 \times 35}{9} = \text{Rs.4900}$$

43. Ans (3): 580

Let the two positive numbers be x and y

$$x + y = 1508$$

$$\frac{25}{100} \times x = \frac{40}{100} \times y \Rightarrow \frac{x}{y} = \frac{8}{5}$$

Ratio of x and $y = 8a : 5a$

$$x + y = 13a = 1508 \Rightarrow a = 116$$

$$\text{Smallest number} = 5a = 116 \times 5 = 580$$

44. Ans (3): 14

$$\text{Part of the tank filled in 2 hours} = \frac{2}{6} = \frac{1}{3}$$

$$\text{Remaining part} = 1 - \frac{1}{3} = \frac{2}{3}$$

$$(A + B)\text{'s 7 hours' work} = \frac{2}{3}$$

$$\therefore (A + B)\text{'s 1 hour's work} = \frac{2}{21}$$

C's 1 hour's work = $(A + B + C)$'s 1 hour's work - $(A + B)$'s 1 hour's work

$$= \frac{1}{6} - \frac{2}{21} = \frac{7-4}{42} = \frac{3}{42} = \frac{1}{14}$$

$$\therefore \text{Required time} = 14 \text{ hours}$$

45. Ans (3): $4\frac{1}{2}$ hrs

Distance covered in first 2 hours = $70 \times 2 = 140$ km

Distance covered in next 2 hours = $80 \times 2 = 160$ km.

Remaining distance = $345 - (140 + 160) = 45$ km.

Speed in 5th hour = 90 kmph

$$\therefore \text{Time taken} = \frac{45}{90} = \frac{1}{2} \text{ hours}$$

$$\therefore \text{Total time} = 4\frac{1}{2} \text{ hours}$$

46. Ans (1): $\frac{10}{21}$

$$\text{Required Probability} = \frac{{}^5C_2}{{}^7C_2} \Rightarrow \frac{5 \times 4}{7 \times 6} = \frac{10}{21}$$

47. **Ans (2): 320**

$$324 + \frac{45 \times ?}{100} = 468 \Rightarrow \frac{45 \times ?}{100} = 468 - 324 = 144 \Rightarrow 45 \times ? = 144 \times 100 \Rightarrow ? = \frac{144 \times 100}{45} = 320$$

48. **Ans (4): 540**

$$\frac{60}{1.8} \times 54 - ? = 1260 \Rightarrow 1800 - ? = 1260 \Rightarrow ? = 1800 - 1260 = 540$$

49. **Ans (4): 10**

$$\sqrt{1849} + \sqrt{441} = 2^{16-?} \Rightarrow 43 + 21 = 2^{16-?} \Rightarrow 64 = 2^{16-?} \Rightarrow 2^6 = 2^{16-?} \\ \Rightarrow 16 - ? = 6 \Rightarrow ? = 10$$

50. **Ans (2): 173.745**

$$1076.25 + ? = \frac{750 \times 5}{3} = 1250 \Rightarrow ? = 1250 - 1076.25 = 173.75$$

51. **Ans (4): 4**

$$\frac{8 \times 8 \times 7 \times 7}{14} - 143 = 3^? \Rightarrow 224 - 143 = 3^? \Rightarrow 81 = 3^? \Rightarrow 3^4 = 3^? \Rightarrow ? = 4$$

52. **Ans (3): 252**

$$\left(\frac{4}{7} + \frac{10}{7} + \frac{3}{4}\right) \text{ of } ? = 693 \Rightarrow \left(\frac{16+40+21}{28}\right) \times ? = 693 \\ \Rightarrow \frac{77}{28} \times ? = 693 \Rightarrow \frac{11}{4} \times ? = 693 \Rightarrow ? = \frac{693 \times 4}{11} = 252$$

53. **Ans (1): 5**

$$?^2 = \sqrt{648 + 98 - 121} = \sqrt{625} \Rightarrow ?^2 = 25 \Rightarrow ? = \sqrt{25} = 5$$

54. **Ans (3): 2**

$$\frac{0.4 \times 450}{4} = 5 \times 3^? \Rightarrow 45 = 5 \times 3^? \Rightarrow 3^? = \frac{45}{5} = 9 \Rightarrow 3^? = 3^2 = ? = 2$$

55. **Ans (2): 80**

$$\frac{20 \times 225}{100} + 75 = \frac{? \times 150}{100} \Rightarrow 45 + 75 = \frac{? \times 15}{10} \Rightarrow 120 = \frac{3 \times ?}{2} \Rightarrow ? = \frac{120 \times 2}{3} = 80$$

56. **Ans (5): 9**

$$\left(\frac{8}{3} \times \frac{27}{4}\right) + ? = 3^3 \Rightarrow 18 + ? = 27 \Rightarrow ? = 27 - 18 = 9$$

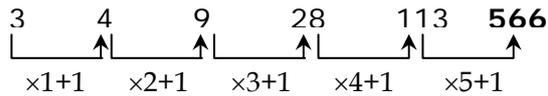
57. **Ans (4): 208**

$$\begin{array}{cccccc} 18 & 37 & 75 & 132 & \mathbf{208} & 303 \\ \hline & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ & +19 & +38 & +57 & +76 & +95 \end{array}$$

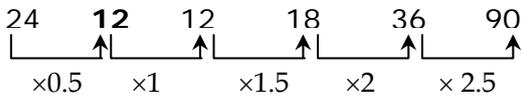
58. **Ans (3): 175**

$$\begin{array}{cccccc} 220 & 229 & 211 & 247 & \mathbf{175} & 319 \\ \hline & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ & +9 & -18 & +36 & -72 & +144 \\ \hline & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ & \times 2 \end{array}$$

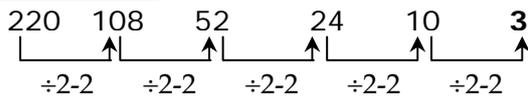
59. **Ans (5): 566**



60. **Ans (2): 12**



61. **Ans (4): 3**



62. **Ans (3): 12**

$$\text{Third observation} = [(8 \times 3) + (6 \times 3)] - (5 \times 6) = 24 + 18 - 30 = 42 - 30 = 12$$

63. **Ans (2): Rs.2100**

$$\text{Scheme A, S.I} = \frac{PNR}{100} = \frac{P \times 4 \times 8}{100} = \frac{32P}{100}$$

Scheme B,

$$\text{Principal} \rightarrow 4000$$

$$10\% (1^{\text{st}} \text{ year}) \rightarrow \frac{400}{4400}$$

$$10\% (2^{\text{nd}} \text{ year}) \rightarrow \frac{440}{4840}$$

$$\therefore \text{C.I} = 4840 - 4000 = \text{Rs.840}$$

$$\text{Interest A} = \frac{4}{5} \times B \Rightarrow A = \frac{4}{5} \times 840 = 672$$

$$\therefore \text{Sum invested in scheme A} \Rightarrow \frac{32P}{100} = 672 \Rightarrow P = \text{Rs.2100}$$

64. **Ans (5): 484**

Side of the equilateral triangle = $8x$ metre and Side of square = $11x$ metre

$$\therefore 4 \times 11x - 3 \times 8x = 40 \Rightarrow 44x - 24x = 40 \Rightarrow 20x = 40 \Rightarrow x = 2$$

$$\therefore \text{Side of square} = 11 \times 2 = 22 \text{ metre}$$

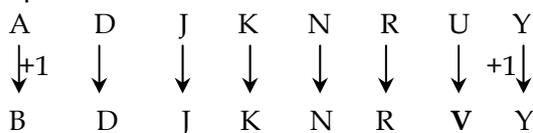
$$\therefore \text{Area of square} = 22 \times 22 = 484 \text{ sq. metre.}$$

65. **Ans (5): 8**

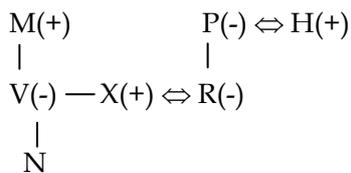
$$\frac{x+16}{30} + \frac{x}{40} = 1 \Rightarrow \frac{4x+64+3x}{120} = 1 \Rightarrow 7x = 120 - 64 = 56 \Rightarrow x = 8 \text{ days}$$

66. **Ans (1): V**

Alphabetical order of the letters of the word JUNKYARD:



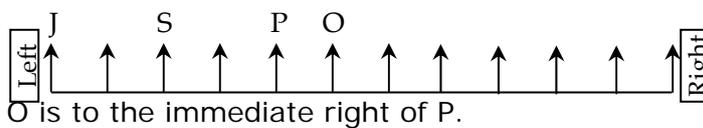
For (Qs.67-68):



67. **Ans (4): Can't say**
N Gender is unknown.

68. **Ans (1): Son-in-law**
X is son-in-law of H

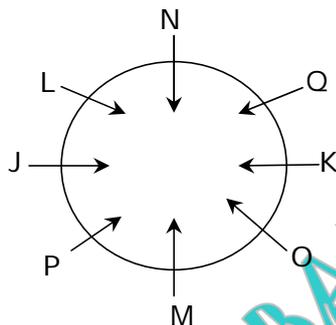
69. **Ans (1): None**



70. **Ans (3): Three**

4	2	7	3	1	6	5	8
1	2	3	4	5	6	7	8

For (Qs.71-75):



71. **Ans (4): P**
P sits second to the left of O.

72. **Ans (2): K, N**
N and K are immediate neighbours of Q.

73. **Ans (1): Only three persons sit between O and L**
N sits to the immediate left of L.
J and N are immediate neighbours of L.
∴ Two persons – N and Q sit between L and K.

74. **Ans (3): LKN**
Except in LKN, in all others the third person sits between the first two persons.

75. **Ans (5): Four**
When counted from the left of J, four persons – L, N, Q and K – are seated between O and J.

76. Ans (1): 20

Lowest number \Rightarrow 256; Its second digit \Rightarrow 5;
Highest number \Rightarrow 764; Its third digit \Rightarrow 4
 \therefore Required product $\Rightarrow 5 \times 4 = 20$

77. Ans (2): Three

515 744 427 522 236

78. Ans (5): 1

145 674 237 452 526
Highest number \Rightarrow 674
Lowest number \Rightarrow 145
 \therefore Required resultant $= \frac{4}{4} = 1$

79. Ans (4): Four

145 467 237 245 256
Four numbers are odd numbers.

80. Ans (3): 10

256 < 327 < 415 < 542 < 764
Third number from the left \Rightarrow 415
Required sum $\Rightarrow 4 + 1 + 5 = 10$

81. Ans (3): only Conclusion I is true

Statement: $F < R < L \leq S > O$
Conclusions: I. $F < S$ (\checkmark) II. $O > R$ (\times)

82. Ans (3): only Conclusion I is true

Statement: $U \leq C = N < Q \geq J$
Conclusions: I. $Q > U$ (\checkmark) II. $C < J$ (\times)

83. Ans (2): either Conclusion I or Conclusion II is true

Statement: $G \geq R = O \geq W$
Conclusions: I. $G > W$ (\times, \checkmark) II. $W = G$ (\times, \checkmark)

84. Ans (4): only Conclusion II is true

Statements: $K > E \geq R = A$; $B > E \geq R = A$
Conclusions: I. $K = A$ (\times) II. $A < B$ (\checkmark)

85. Ans (5): neither Conclusion I nor Conclusion II is true

Statement: $D = O < L \leq P > H$
Conclusions: I. $P < D$ (\times) II. $O > H$ (\times)

86. Ans (3): PDL MUS

@	^	2	*	4	3
↓	↓	↓	↓	↓	↓
P	D	L	M	U	S

Conditions (iv) is applicable.

87. **Ans (1): FUYZXJ**

6	4	#	%	9	&
↓	↓	↓	↓	↓	↓
F	U	Y	Z	X	J

Condition (ii) is applicable.

88. **Ans (2): YLMDUA**

*	2	#	@	8	7
↓	↓	↓	↓	↓	↓
Y	L	M	D	U	A

Conditions (i) applicable

89. **Ans (4): ZUJYLA**

&	4	%	#	2	7
↓	↓	↓	↓	↓	↓
Z	U	J	Y	L	A

Conditions (i) applicable

90. **Ans (5): UQCYFU**

+	9	5	#	6	8
↓	↓	↓	↓	↓	↓
U	Q	C	Y	F	U

Conditions (iii) applicable

For (Qs.91-95):



91. **Ans (1): Immediate left**

J sits to the immediate left of P.

92. **Ans (2): Three**

Three persons – M, K and L – are seated between R and Q.

93. **Ans (4): Q**

Q sits to the immediate right of L.

94. **Ans (5): M**

M sits exactly in the middle of the line.

95. **Ans (3): J, Q**

J and Q are seated at two extreme ends of the line.

96. **Ans (2): EGCKM**

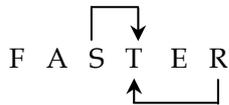
C	H	A	L	K
↓+2	↓-1	↓+2	↓-1	↓+2
E	G	C	K	M

97. Ans (4): 9

Word	stunts	good	bike	very	dancers	doing
Code	7	3	4	5	2	9

∴ The code for 'doing' is '9'.

98. Ans (3): Two



For (Qs.99-100): D (17) > A > C (11) > B > E

99. Ans (1): 7

C has 11 flowers \Rightarrow B has $11 - 4 = 7$ flowers

100. Ans (2): A

A has the second most number of flowers.

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