

IBPS RRB PO 2024 Prelims Memory Based Paper PDF

Q1. In a class of 23 students, Vivek ranks 10th from the top. What is Vivek's rank from the bottom?

- (a) 15
- (b) 13
- (c) 11
- (d) None of these
- (e) 14

Q2. $150 \times 3 \div 20 + \sqrt{169} - 190 \div 2 \approx ?$ (find the approximate value)

- (a) -53.92
- (b) -48.42
- (c) -59.50
- (d) None of these
- (e) -71.73

Q3. In a class of 22 students, Payal ranks 15th from the top. What is Payal's rank from the bottom?

- (a) 6
- (b) 8
- (c) 7
- (d) 10
- (e) None of these

Q4. Find the missing term: 3, 6, 12, 24, 48, ?

- (a) 82
- (b) 75
- (c) None of these
- (d) 96
- (e) 117

Q5. Is the number x an even number?

I. x is completely divisible by 12.

II. x is completely divisible by 4.

- (a) Both statements I and II together are necessary
- (b) Only statement I alone is sufficient
- (c) Neither statement I nor II is sufficient
- (d) Only statement II alone is sufficient
- (e) Either statement I or II alone is sufficient

Q6. $(9^2) - (3^2) + 35 \div 4 = ?$

- (a) None of these
- (b) 84.84
- (c) 91
- (d) 76.42
- (e) 80.75

Q7. Statement: $F > G < A > C$

Conclusions: I. $F > A$ II. $G = C$

- (a) Neither I nor II follows
- (b) Both conclusions I and II follow
- (c) Only conclusion II follows

- (d) Either I or II follows
- (e) Only conclusion I follows

Q8. Find the missing term: 11, 22, 44, 88, ?, 352

- (a) 189
- (b) 193
- (c) 202
- (d) 176
- (e) None of these

Q9. I. $x^2 + 11x - 12 = 0$ II. $y^2 - 9y + 20 = 0$. On solving both equations, find the relation between x and y.

- (a) $x \geq y$
- (b) $x \leq y$
- (c) $x < y$
- (d) $x = y$ or relationship cannot be established
- (e) $x > y$

Q10. Find the missing term: 19, 57, ?, 513, 1539, 4617

- (a) 171
- (b) None of these
- (c) 154
- (d) 185
- (e) 157

Q11. Statements: Some Lamps are Cups. No Cups is Chairs. All Chairs are Pens.
Conclusions: I. No Lamps is Chairs. II. Some Lamps are not Chairs. III. Some Pens are not Cups.

- (a) Only I and II follow
- (b) None of the conclusions follow
- (c) Only II and III follow
- (d) Only I and III follow
- (e) All I, II and III follow

Q12. In a certain code language, 'Meena works hard' is written as '3 9 8' and 'Rohit works daily' is written as '7 9 1'. What is the code for 'works' in this language?

- (a) 9
- (b) 3
- (c) 1
- (d) 7
- (e) 8

Q13. Who is the tallest among Deepak, Simran, Rahul, Aman and Nisha?

- I. Rahul is taller than Deepak and Aman but shorter than Simran.
- II. Nisha is the tallest of all five.

- (a) Only statement I alone is sufficient
- (b) Only statement II alone is sufficient
- (c) Neither statement I nor II is sufficient
- (d) Either statement I or II alone is sufficient
- (e) Both statements I and II together are necessary

Q14. Study the following sequence carefully and answer the question given below:

9 9 G B G 2 * # \$ A S 4 X

How many times does a letter is immediately preceded by a digit and immediately

followed by a digit in the above sequence?

- (a) 3
- (b) 2
- (c) 1
- (d) 0
- (e) None of these

Q15. In a certain code language, 'Arjun works hard' is written as '4 5 1' and 'Payal works daily' is written as '6 5 3'. What is the code for 'works' in this language?

- (a) 5
- (b) 1
- (c) 3
- (d) 4
- (e) 6

Q16. Arjun walks 5 km towards North, then turns right and walks 9 km. He then turns right again and walks 5 km. In which direction is Arjun now with respect to his starting point?

- (a) North
- (b) East
- (c) South
- (d) South-East
- (e) West

Q17. Who is the tallest among Arjun, Simran, Rajesh, Ashok and Komal?

I. Rajesh is taller than Arjun and Ashok but shorter than Simran.

II. Komal is the tallest of all five.

- (a) Only statement I alone is sufficient
- (b) Neither statement I nor II is sufficient
- (c) Only statement II alone is sufficient
- (d) Either statement I or II alone is sufficient
- (e) Both statements I and II together are necessary

Q18. $[(34 \times 5) \div 3 - 4] \times 7 \div 13 + (5 - 3) = ?$

- (a) 34.27
- (b) 31.82
- (c) 30.36
- (d) 27.26
- (e) None of these

Q19. Find the missing term: 7, 14, 21, 28, ?, 42

- (a) 38
- (b) 32
- (c) 41
- (d) None of these
- (e) 35

Q20. Meena walks 12 km towards North, then turns left and walks 9 km. He then turns left again and walks 12 km. In which direction is Meena now with respect to his starting point?

- (a) South
- (b) West
- (c) South-East
- (d) North
- (e) East

Q21. $\sqrt{49} \times 23 - (10 \times 6) + 20 = ?$

- (a) 129.58
- (b) None of these
- (c) 121
- (d) 131.20
- (e) 135.15

Q22. What is the area of a rectangle?

I. The length of the rectangle is 14 cm.

II. The perimeter of the rectangle is 40 cm.

- (a) Either statement I or II alone is sufficient
- (b) Both statements I and II together are necessary
- (c) Only statement II alone is sufficient
- (d) Only statement I alone is sufficient
- (e) Neither statement I nor II is sufficient

Q23. I. $x^2 - 10x - 24 = 0$ II. $y^2 + 10y - 24 = 0$. On solving both equations, find the relation between x and y.

- (a) $x > y$
- (b) $x < y$
- (c) $x \geq y$
- (d) $x \leq y$
- (e) $x = y$ or relationship cannot be established

Q24. In a class of 20 students, Sanjay ranks 13th from the top. What is Sanjay's rank from the bottom?

- (a) 9
- (b) None of these
- (c) 7
- (d) 6
- (e) 8

Q25. Statement: $G < C > F > D$

Conclusions: I. $G > F$ II. $C > D$

- (a) Only conclusion II follows
- (b) Both conclusions I and II follow
- (c) Neither I nor II follows
- (d) Either I or II follows
- (e) Only conclusion I follows

Q26-Q30. Seven persons Arjun, Isha, Kavita, Kiran, Meena, Naveen, Rahul live on seven different floors of a building, numbered 1 to 7 from bottom to top (floor 1 being the lowest), not necessarily in the same order. Meena lives on the lowest floor. Rahul lives on the topmost floor. Naveen lives exactly in the middle floor. Kiran lives immediately above Meena. Kavita lives immediately above Kiran. Arjun lives immediately below Rahul. Isha lives exactly between Naveen and Arjun.

Q26. Who lives on the 3rd floor?

- (a) Kiran
- (b) Kavita
- (c) Meena
- (d) Rahul
- (e) Arjun

Q27. How many persons live above the floor of Naveen?

- (a) 5
- (b) 3
- (c) 4
- (d) 1
- (e) 2

Q28. Who lives immediately below Naveen?

- (a) Kavita
- (b) Rahul
- (c) Meena
- (d) Arjun
- (e) Kiran

Q29. Who lives on the topmost floor?

- (a) Meena
- (b) Kavita
- (c) Naveen
- (d) Rahul
- (e) Kiran

Q30. Who lives exactly between the floors of Naveen and Arjun?

- (a) Rahul
- (b) Isha
- (c) Kiran
- (d) Meena
- (e) Naveen

Q31-Q35. Six persons Arjun, Neha, Payal, Simran, Suresh, Vikas sit around a circular table facing the centre, not necessarily in the same order. Arjun sits second to the right of Neha. Suresh sits third to the left of Neha. Payal sits immediate right of Suresh. Vikas sits between Arjun and Simran.

Q31. Who sits second to the right of Neha?

- (a) Simran
- (b) Arjun
- (c) Neha
- (d) Vikas
- (e) Payal

Q32. Who sits immediate right of Suresh?

- (a) Neha
- (b) Simran
- (c) Arjun
- (d) Payal
- (e) Suresh

Q33. Who sits between Arjun and Simran?

- (a) Payal
- (b) Neha
- (c) Vikas
- (d) Arjun
- (e) Suresh

Q34. Who sits third to the left of Neha?

- (a) Simran
- (b) Payal
- (c) Vikas
- (d) Suresh
- (e) Neha

Q35. How many persons are seated around the table?

- (a) 8
- (b) 5
- (c) 7
- (d) 6
- (e) 4

Q36. Two varieties of rice costing ₹22/kg and ₹92/kg are mixed in the ratio 4:3. Find the average cost of the mixture per kg (in ₹).

- (a) 55.32
- (b) 58.65
- (c) None of these
- (d) 55.30
- (e) 52

Q37. Is the number x an even number?

I. x is completely divisible by 16.

II. x is completely divisible by 6.

- (a) Only statement I alone is sufficient
- (b) Neither statement I nor II is sufficient
- (c) Either statement I or II alone is sufficient
- (d) Only statement II alone is sufficient
- (e) Both statements I and II together are necessary

Q38-Q42. The pie chart below shows the percentage distribution of 2600 students enrolled across six streams A, B, C, D, E, F. Study it and answer the questions that follow.

A: 26%, B: 6%, C: 18%, D: 27%, E: 16%, F: 7%

Q38. How many students are enrolled in stream E?

- (a) 372
- (b) None of these
- (c) 453
- (d) 416
- (e) 362

Q39. What is the difference between the number of students in stream B and stream E?

- (a) None of these
- (b) 215
- (c) 275
- (d) 228
- (e) 260

Q40. What is the central angle (in degrees) representing stream D in the pie chart?

- (a) 97.20
- (b) 106.56
- (c) 101.05
- (d) None of these

(e) 88.33

Q41. What is the ratio of the number of students in stream D to stream C?

- (a) 1:1
- (b) 5:1
- (c) 3:2
- (d) 4:1
- (e) None of these

Q42. How many students are NOT enrolled in stream F?

- (a) 2310
- (b) 2702
- (c) None of these
- (d) 2614
- (e) 2418

Q43. $[(51 \times 5) \div 8 - 8] \times 4 \div 22 + (5 - 8) = ?$

- (a) 1.34
- (b) 1.27
- (c) 1.40
- (d) 1.39
- (e) None of these

Q44. Who is the tallest among Kavita, Suresh, Nisha, Rahul and Pooja?

I. Nisha is taller than Kavita and Rahul but shorter than Suresh.

II. Pooja is the tallest of all five.

- (a) Both statements I and II together are necessary
- (b) Either statement I or II alone is sufficient
- (c) Only statement I alone is sufficient
- (d) Only statement II alone is sufficient
- (e) Neither statement I nor II is sufficient

Q45. Study the following sequence carefully and answer the question given below:

L 4 1 5 A R % 3 M J R 2 \$

How many times does a digit is immediately preceded by a letter and immediately followed by a symbol in the above sequence?

- (a) None of these
- (b) 3
- (c) 1
- (d) 0
- (e) 2

Q46. Statements: No Lamps is Mirrors. Some Mirrors are Chairs. All Chairs are Pens.

Conclusions: I. Some Chairs are not Lamps. II. Some Pens are Mirrors. III. No Lamps is Pens.

- (a) Only II and III follow
- (b) None of the conclusions follow
- (c) Only I and II follow
- (d) Only I and III follow
- (e) All I, II and III follow

Q47. A and B invest ₹14000 and ₹29000 respectively in a business for the same period. If the total profit at the end of the year is ₹18500, find A's share of the profit (in ₹).

- (a) None of these
- (b) 6023.26

- (c) 5478.29
- (d) 5559.76
- (e) 5547.43

Q48. Find the average of the following numbers: 29, 82, 72, 57, 62.

- (a) 60.40
- (b) 50.57
- (c) 66.43
- (d) 70.51
- (e) None of these

Q49. Sonia walks 7 km towards North, then turns right and walks 6 km. He then turns right again and walks 7 km. In which direction is Sonia now with respect to his starting point?

- (a) East
- (b) North
- (c) South
- (d) West
- (e) South-East

Q50. In a certain code language, 'Naveen works hard' is written as '4 8 3' and 'Vikas works daily' is written as '2 8 1'. What is the code for 'works' in this language?

- (a) 3
- (b) 4
- (c) 2
- (d) 1
- (e) 8

Q51. Divya said, "Vikas's mother is the only daughter of my mother." How is Divya related to Vikas?

- (a) Daughter
- (b) Sister
- (c) Grandmother
- (d) Aunt
- (e) Mother

Q52-Q56. Study the table below showing the number of employees (in hundreds) working in five companies A, B, C, D, E during the years 2016-2020 and answer the questions that follow.

Company A: 2016-530, 2017-240, 2018-390, 2019-890, 2020-850

Company B: 2016-720, 2017-280, 2018-310, 2019-840, 2020-870

Company C: 2016-830, 2017-340, 2018-750, 2019-690, 2020-330

Company D: 2016-310, 2017-650, 2018-270, 2019-260, 2020-740

Company E: 2016-800, 2017-510, 2018-240, 2019-500, 2020-520

Q52. What is the total number of employees (in hundreds) in Company A over all five years?

- (a) 2900
- (b) 3150
- (c) 3175
- (d) None of these
- (e) 2983

Q53. What is the difference between the number of employees in Company A and Company B in 2016?

- (a) 159
- (b) 190
- (c) 204
- (d) 202
- (e) None of these

Q54. Find the average number of employees (in hundreds) across all five companies in 2016.

- (a) 638
- (b) None of these
- (c) 700.81
- (d) 741.31
- (e) 689.15

Q55. What is the percentage change in the number of employees of Company A from 2016 to 2018?

- (a) -26.42
- (b) -34.05
- (c) None of these
- (d) -31.16
- (e) -31.24

Q56. What is the total number of employees (in hundreds) in Company C in 2016 and Company B in 2018 together?

- (a) 1006
- (b) 1017
- (c) 1334
- (d) None of these
- (e) 1140

Q57. Statement: $F < A > C > E$

Conclusions: I. $F > C$ II. $A = E$

- (a) Both conclusions I and II follow
- (b) Only conclusion I follows
- (c) Only conclusion II follows
- (d) Neither I nor II follows
- (e) Either I or II follows

Q58. I. $x^2 + 13x + 42 = 0$ II. $y^2 - 9y - 10 = 0$. On solving both equations, find the relation between x and y.

- (a) $x < y$
- (b) $x > y$
- (c) $x = y$ or relationship cannot be established
- (d) $x \geq y$
- (e) $x \leq y$

Q59-Q63. Seven persons Aman, Divya, Manoj, Meena, Rajesh, Ritu, Simran sit in a row facing north, not necessarily in the same order. Ritu sits at the extreme left end. Simran sits at the extreme right end. Manoj sits exactly in the middle of the row. Rajesh sits second from the left end. Divya sits to the immediate right of Rajesh. Aman sits second from the right end. Meena sits between Manoj and Aman.

Q59. Who sits third from the left end?

- (a) Manoj

- (b) Ritu
- (c) Meena
- (d) Aman
- (e) Divya

Q60. How many persons sit to the right of Manoj?

- (a) 4
- (b) 3
- (c) 5
- (d) 2
- (e) 1

Q61. Who sits immediate left of Manoj?

- (a) Simran
- (b) Ritu
- (c) Rajesh
- (d) Meena
- (e) Divya

Q62. Which of the following sits at the extreme right end of the row?

- (a) Rajesh
- (b) Simran
- (c) Meena
- (d) Aman
- (e) Manoj

Q63. Who sits exactly between Manoj and Aman?

- (a) Simran
- (b) Meena
- (c) Manoj
- (d) Aman
- (e) Rajesh

Q64-Q68. The bar graph below shows the number of units (in tens) of two products P and Q sold by a store over six months. Study it and answer the questions that follow.

Product P: Jan-125, Feb-265, Mar-245, Apr-285, May-265, Jun-80

Product Q: Jan-230, Feb-280, Mar-285, Apr-150, May-110, Jun-235

Q64. What is the total number of units (in tens) of products P and Q sold together in Jun?

- (a) 278
- (b) 293
- (c) None of these
- (d) 338
- (e) 315

Q65. What is the difference in units sold between Product P and Product Q in Jan?

- (a) -105
- (b) -125
- (c) -138
- (d) -92
- (e) None of these

Q66. Find the average monthly sale (in tens) of Product P over the six months.

- (a) None of these

- (b) 210.83
- (c) 177.86
- (d) 230.50
- (e) 188.89

Q67. What is the total number of units (in tens) of Product Q sold over all six months?

- (a) 1179
- (b) 1290
- (c) None of these
- (d) 1183
- (e) 1257

Q68. What is the ratio of units sold of Product P to Product Q in Jan?

- (a) 28:47
- (b) 26:45
- (c) 25:46
- (d) None of these
- (e) 12:23

Q69. Statements: All Cups are Books. All Books are Doors. No Doors is Lamps.

Conclusions: I. All Cups are Doors. II. No Cups is Lamps. III. Some Books are not Lamps.

- (a) Only II and III follow
- (b) None of the conclusions follow
- (c) Only I and III follow
- (d) Only I and II follow
- (e) All I, II and III follow

Q70. Pipe A can fill a tank in 12 hours and Pipe B can fill the same tank in 17 hours. If both pipes are opened together, find the time taken to fill the tank (in hours).

- (a) 7.61
- (b) 6.20
- (c) 7.03
- (d) 6.39
- (e) None of these

Q71. $380 \times 9 \div 20 + \sqrt{144} - 140 \div 5 \approx ?$ (find the approximate value)

- (a) 168.86
- (b) None of these
- (c) 175.28
- (d) 177
- (e) 155

Q72. $195 \times 4 \div 50 + \sqrt{256} - 85 \div 5 \approx ?$ (find the approximate value)

- (a) None of these
- (b) 15.43
- (c) 13.44
- (d) 16.63
- (e) 14.60

Q73. Study the following sequence carefully and answer the question given below:

5 5 8 N 2 G J 2 Q Y T V K

How many times does a digit is immediately preceded by a letter and immediately followed by a symbol in the above sequence?

- (a) 1

- (b) 0
- (c) 4
- (d) 2
- (e) None of these

Q74. Is the number x an even number?

I. x is completely divisible by 6.

II. x is completely divisible by 10.

- (a) Either statement I or II alone is sufficient
- (b) Only statement I alone is sufficient
- (c) Only statement II alone is sufficient
- (d) Both statements I and II together are necessary
- (e) Neither statement I nor II is sufficient

Q75. What is the code for 'river' in a certain code language?

I. 'river is bright' is written as 'M C O'.

II. 'sun is bright' is written as 'R C O'.

- (a) Only statement II alone is sufficient
- (b) Either statement I or II alone is sufficient
- (c) Only statement I alone is sufficient
- (d) Neither statement I nor II is sufficient
- (e) Both statements I and II together are necessary

Q76. Pointing to a photograph, Arjun said, "Anita is the son of my father's only son." How is Anita related to Arjun?

- (a) Brother
- (b) Son
- (c) Father
- (d) Cousin
- (e) Nephew

Q77. $220 \times 5 \div 60 + \sqrt{256} - 85 \div 5 \approx ?$ (find the approximate value)

- (a) 14.08
- (b) 21.04
- (c) 19.25
- (d) None of these
- (e) 17.33

Q78. I. $x^2 + 20x + 96 = 0$ II. $y^2 + 18y + 77 = 0$. On solving both equations, find the relation between x and y .

- (a) $x = y$ or relationship cannot be established
- (b) $x \leq y$
- (c) $x \geq y$
- (d) $x > y$
- (e) $x < y$

Q79. I. $x^2 - 17x + 70 = 0$ II. $y^2 + 4y - 60 = 0$. On solving both equations, find the relation between x and y .

- (a) $x < y$
- (b) $x \geq y$
- (c) $x > y$
- (d) $x = y$ or relationship cannot be established
- (e) $x \leq y$

Q80. Kavita said, "Nisha's mother is the only daughter of my mother." How is Kavita related to Nisha?

- (a) Aunt
- (b) Sister
- (c) Grandmother
- (d) Mother
- (e) Daughter

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