

IBPS RRB PO 2024 Prelims Memory Based Paper PDF

Q1-Q5. Six persons Anita, Arjun, Divya, Isha, Nisha, Vikas sit around a circular table facing the centre, not necessarily in the same order. Anita sits second to the right of Nisha. Vikas sits third to the left of Nisha. Divya sits immediate right of Vikas. Isha sits between Anita and Arjun.

Q1. Who sits second to the right of Nisha?

- (a) Arjun
- (b) Divya
- (c) Anita
- (d) Isha
- (e) Vikas

Q2. Who sits immediate right of Vikas?

- (a) Vikas
- (b) Arjun
- (c) Nisha
- (d) Anita
- (e) Divya

Q3. Who sits between Anita and Arjun?

- (a) Arjun
- (b) Isha
- (c) Nisha
- (d) Divya
- (e) Anita

Q4. Who sits third to the left of Nisha?

- (a) Vikas
- (b) Anita
- (c) Nisha
- (d) Arjun
- (e) Isha

Q5. How many persons are seated around the table?

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

Q6. Two varieties of rice costing ₹54/kg and ₹100/kg are mixed in the ratio 2:4. Find the average cost of the mixture per kg (in ₹).

- (a) 88.30
- (b) 91.16
- (c) 84.67
- (d) 92.66
- (e) None of these

Q7. Two numbers are in the ratio 3:6 and their sum is 540. Find the larger number.

- (a) 396.22
- (b) 360
- (c) None of these

- (d) 392.49
- (e) 397.20

Q8. Isha said, "Manoj's mother is the only daughter of my mother." How is Isha related to Manoj?

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

Q9. I. $x^2 - 12x + 32 = 0$ II. $y^2 - 2y - 99 = 0$. On solving both equations, find the relation between x and y .

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

Q10. In a class of 25 students, Vikas ranks 17th from the top. What is Vikas's rank from the bottom?

- (a) 8
- (b) 9
- (c) None of these
- (d) 11
- (e) 10

Q11. I. $x^2 + 11x + 24 = 0$ II. $y^2 - 14y + 48 = 0$. On solving both equations, find the relation between x and y .

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

Q12. Statement: $F = E > A = D$

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

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

Q13. What is the area of a rectangle?

I. The length of the rectangle is 11 cm.

II. The perimeter of the rectangle is 42 cm.

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

Q14. Find the compound interest on ₹21500 at 8% per annum for 2 years, compounded annually.

- (a) 4127.32
- (b) None of these
- (c) 3874.87
- (d) 3577.60
- (e) 3303.13

Q15. What is the area of a rectangle?

- I. The length of the rectangle is 17 cm.
 - II. The perimeter of the rectangle is 44 cm.
- (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

Q16. Who is the tallest among Ritu, Neha, Komal, Priya and Vivek?

- I. Komal is taller than Ritu and Priya but shorter than Neha.
 - II. Vivek 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 II alone is sufficient
 - (d) Neither statement I nor II is sufficient
 - (e) Only statement I alone is sufficient

Q17. Pointing to a photograph, Anita said, "Divya is the son of my father's only son." How is Divya related to Anita?

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

Q18. Sanjay walks 9 km towards North, then turns right and walks 9 km. He then turns right again and walks 9 km. In which direction is Sanjay now with respect to his starting point?

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

Q19. Is the number x an even number?

- I. x is completely divisible by 14.
 - II. x is completely divisible by 12.
- (a) Either statement I or II alone is sufficient
 - (b) Only statement I alone is sufficient
 - (c) Only statement II alone is sufficient
 - (d) Neither statement I nor II is sufficient
 - (e) Both statements I and II together are necessary

Q20. Statements: Some Cups are Tables. No Tables is Mirrors. All Mirrors are Windows.

Conclusions: I. No Cups is Mirrors. II. Some Cups are not Mirrors. III. Some Windows are not Tables.

- (a) Only I and III follow

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

Q21. $175 \times 3 \div 65 + \sqrt{169} - 170 \div 5 \approx ?$ (find the approximate value)

- (a) -11.48
- (b) -10.12
- (c) None of these
- (d) -12.92
- (e) -15.72

Q22-Q26. Seven persons Isha, Komal, Neha, Rahul, Rajesh, Suresh, Vivek sit in a row facing north, not necessarily in the same order. Isha sits at the extreme left end. Neha sits at the extreme right end. Suresh sits exactly in the middle of the row. Vivek sits second from the left end. Rahul sits to the immediate right of Vivek. Rajesh sits second from the right end. Komal sits between Suresh and Rajesh.

Q22. Who sits third from the left end?

- (a) Vivek
- (b) Rahul
- (c) Komal
- (d) Suresh
- (e) Isha

Q23. How many persons sit to the right of Suresh?

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

Q24. Who sits immediate left of Suresh?

- (a) Isha
- (b) Suresh
- (c) Neha
- (d) Vivek
- (e) Rahul

Q25. Which of the following sits at the extreme right end of the row?

- (a) Vivek
- (b) Suresh
- (c) Isha
- (d) Rajesh
- (e) Neha

Q26. Who sits exactly between Suresh and Rajesh?

- (a) Vivek
- (b) Isha
- (c) Rahul
- (d) Komal
- (e) Neha

Q27. Rahul walks 15 km towards North, then turns left and walks 14 km. He then turns left again and walks 15 km. In which direction is Rahul now with respect to his starting point?

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

Q28. Statements: All Chairs are Books. All Books are Doors. No Doors is Tables.

Conclusions: I. All Chairs are Doors. II. No Chairs is Tables. III. Some Books are not Tables.

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

Q29. Find the missing term: 8, 15, 22, ?, 36, 43

- (a) 33
- (b) 27
- (c) 29
- (d) 31
- (e) None of these

Q30. Study the following sequence carefully and answer the question given below:

D @ L * J A @ S H Z L 9 E

How many times does a symbol immediately follows a letter in the above sequence?

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

Q31. $130 \times 3 \div 90 + \sqrt{225} - 55 \div 2 \approx ?$ (find the approximate value)

- (a) -9.49
- (b) None of these
- (c) -8.17
- (d) -6.66
- (e) -9.85

Q32. Find the missing term: 4, 12, 36, 108, 324, ?

- (a) 1167
- (b) 802
- (c) 972
- (d) None of these
- (e) 775

Q33-Q37. 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: 2016-810, 2017-660, 2018-340, 2019-340, 2020-720

Company B: 2016-350, 2017-810, 2018-380, 2019-650, 2020-220

Company C: 2016-700, 2017-490, 2018-820, 2019-480, 2020-470

Company D: 2016-320, 2017-620, 2018-760, 2019-510, 2020-680

Company E: 2016-400, 2017-320, 2018-440, 2019-420, 2020-640

Q33. What is the total number of employees (in hundreds) in Company E over all five years?

- (a) 2301
- (b) 2068
- (c) 2100
- (d) None of these
- (e) 2220

Q34. What is the difference between the number of employees in Company E and Company B in 2018?

- (a) 72
- (b) 54
- (c) 47
- (d) None of these
- (e) 60

Q35. Find the average number of employees (in hundreds) across all five companies in 2018.

- (a) 548
- (b) 631.28
- (c) 571.86
- (d) None of these
- (e) 578.95

Q36. What is the percentage change in the number of employees of Company E from 2018 to 2020?

- (a) 53.59
- (b) None of these
- (c) 34.65
- (d) 45.45
- (e) 49.18

Q37. What is the total number of employees (in hundreds) in Company C in 2018 and Company B in 2020 together?

- (a) 1040
- (b) None of these
- (c) 915
- (d) 1085
- (e) 1169

Q38. $[(47 \times 10) \div 5 - 6] \times 7 \div 20 + (10 - 5) = ?$

- (a) 33.31
- (b) 35.80
- (c) 39.95
- (d) None of these
- (e) 32.46

Q39. In a class of 30 students, Rajesh ranks 9th from the top. What is Rajesh's rank from the bottom?

- (a) 24
- (b) 25
- (c) None of these
- (d) 17
- (e) 22

Q40. Neha introduced Tarun as the son of the only brother of Neha's mother. How is Tarun related to Neha?

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

Q41-Q45. 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-295, Feb-120, Mar-255, Apr-260, May-215, Jun-110

Product Q: Jan-250, Feb-140, Mar-170, Apr-270, May-170, Jun-185

Q41. What is the total number of units (in tens) of products P and Q sold together in Apr?

- (a) None of these
- (b) 576
- (c) 530
- (d) 486
- (e) 460

Q42. What is the difference in units sold between Product P and Product Q in Jan?

- (a) 45
- (b) 30
- (c) None of these
- (d) 35
- (e) 36

Q43. Find the average monthly sale (in tens) of Product P over the six months.

- (a) None of these
- (b) 240.71
- (c) 242.16
- (d) 179.57
- (e) 209.17

Q44. What is the total number of units (in tens) of Product Q sold over all six months?

- (a) 1222
- (b) 1185
- (c) 1235
- (d) None of these
- (e) 1280

Q45. What is the ratio of units sold of Product P to Product Q in Mar?

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

Q46. Find the compound interest on ₹25500 at 20% per annum for 2 years, compounded annually.

- (a) 12273.21
- (b) 11220
- (c) 12015.16

- (d) 12634.29
- (e) None of these

Q47. $250 \times 9 \div 80 + \sqrt{225} - 105 \div 2 \approx ?$ (find the approximate value)

- (a) -10.54
- (b) -10.03
- (c) None of these
- (d) -9.38
- (e) -7.71

Q48. $34 \times (3/8) + (7/2) \times 19 = ?$

- (a) 76.27
- (b) 69.03
- (c) None of these
- (d) 84.34
- (e) 79.25

Q49. Find the missing term: 5, 9, 13, ?, 21, 25

- (a) 17
- (b) 18
- (c) None of these
- (d) 15
- (e) 16

Q50. Statement: $D < B < C = H$

Conclusions: I. $D = C$ II. $B = H$

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

Q51. $\sqrt{100} \times 34 - (7 \times 2) + 25 = ?$

- (a) 329.65
- (b) 388.47
- (c) 315.60
- (d) None of these
- (e) 351

Q52. I. $x^2 - 14x + 33 = 0$ II. $y^2 - 2y - 48 = 0$. 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) $x \leq y$

Q53. Deepak walks 7 km towards North, then turns right and walks 5 km. He then turns right again and walks 7 km. In which direction is Deepak now with respect to his starting point?

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

(e) South

Q54. I. $x^2 - 4 = 0$ II. $y^2 + 18y + 80 = 0$. On solving both equations, find the relation between x and y .

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

Q55-Q59. Seven persons Divya, Isha, Kavita, Komal, Rajesh, Sonia, Vivek 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. Komal lives on the lowest floor. Rajesh lives on the topmost floor. Divya lives exactly in the middle floor. Sonia lives immediately above Komal. Isha lives immediately above Sonia. Kavita lives immediately below Rajesh. Vivek lives exactly between Divya and Kavita.

Q55. Who lives on the 3rd floor?

- (a) Kavita
- (b) Divya
- (c) Vivek
- (d) Komal
- (e) Isha

Q56. How many persons live above the floor of Divya?

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

Q57. Who lives immediately below Divya?

- (a) Rajesh
- (b) Komal
- (c) Isha
- (d) Divya
- (e) Sonia

Q58. Who lives on the topmost floor?

- (a) Vivek
- (b) Isha
- (c) Komal
- (d) Sonia
- (e) Rajesh

Q59. Who lives exactly between the floors of Divya and Kavita?

- (a) Vivek
- (b) Komal
- (c) Isha
- (d) Rajesh
- (e) Kavita

Q60. Study the following sequence carefully and answer the question given below:

2 G 4 3 6 V \$ 5 Y Y 5 W

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

followed by a symbol in the above sequence?

- (a) 0
- (b) 2
- (c) None of these
- (d) 4
- (e) 1

Q61. $[(57 \times 6) \div 2 - 5] \times 5 \div 16 + (6 - 2) = ?$

- (a) 59.83
- (b) 55.88
- (c) 58.30
- (d) None of these
- (e) 61.50

Q62. In a certain code language, 'Sanjay works hard' is written as '9 1 7' and 'Payal works daily' is written as '3 1 8'. What is the code for 'works' in this language?

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

Q63. What is the code for 'river' in a certain code language?

I. 'river is bright' is written as 'R J A'.

II. 'sun is bright' is written as 'M J A'.

- (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) Either statement I or II alone is sufficient
- (e) Only statement II alone is sufficient

Q64. What is the code for 'cloud' in a certain code language?

I. 'cloud is bright' is written as 'T G F'.

II. 'star is bright' is written as 'K G F'.

- (a) Neither statement I nor II is sufficient
- (b) Only statement I alone 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

Q65. Statement: $H > E < A = B$

Conclusions: I. $H = A$ II. $E > B$

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

Q66. In a certain code language, 'Rahul works hard' is written as '9 6 4' and 'Ritu works daily' is written as '8 6 2'. What is the code for 'works' in this language?

- (a) 4
- (b) 9
- (c) 2
- (d) 6

(e) 8

Q67. Is the number x an even number?

I. x is completely divisible by 16.

II. x is completely divisible by 14.

- (a) Only statement II alone is sufficient
- (b) Only statement I 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

Q68. Find the missing term: 12, 16, ?, 32, 44, 48

- (a) None of these
- (b) 31
- (c) 32
- (d) 28
- (e) 26

Q69. In a certain code language, 'Meena works hard' is written as '1 6 5' and 'Neha works daily' is written as '3 6 9'. What is the code for 'works' in this language?

- (a) 1
- (b) 9
- (c) 3
- (d) 6
- (e) 5

Q70. Study the following sequence carefully and answer the question given below:

R E W 1 L 9 Z * S M V & U

How many times does a symbol immediately follows a letter in the above sequence?

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

Q71-Q75. The pie chart below shows the percentage distribution of 7900 students enrolled across six streams A, B, C, D, E, F. Study it and answer the questions that follow.

A: 10%, B: 25%, C: 26%, D: 19%, E: 11%, F: 9%

Q71. How many students are enrolled in stream D?

- (a) 1599
- (b) None of these
- (c) 1430
- (d) 1417
- (e) 1501

Q72. What is the difference between the number of students in stream E and stream C?

- (a) 1086
- (b) None of these
- (c) 1036
- (d) 1185
- (e) 1010

Q73. What is the central angle (in degrees) representing stream A in the pie chart?

- (a) None of these
- (b) 39.32
- (c) 36
- (d) 34.26
- (e) 37.40

Q74. What is the ratio of the number of students in stream E to stream D?

- (a) 2:3
- (b) None of these
- (c) 11:19
- (d) 10:21
- (e) 13:21

Q75. How many students are NOT enrolled in stream E?

- (a) 6795
- (b) None of these
- (c) 7437
- (d) 6392
- (e) 7031

Q76. I. $x^2 + 13x + 22 = 0$ II. $y^2 + 20y + 96 = 0$. On solving both equations, find the relation between x and y.

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

Q77. In a class of 24 students, Divya ranks 9th from the top. What is Divya's rank from the bottom?

- (a) 17
- (b) 16
- (c) 13
- (d) None of these
- (e) 19

Q78. Who is the tallest among Rahul, Aman, Komal, Isha and Ritu?

I. Komal is taller than Rahul and Isha but shorter than Aman.

II. Ritu is the tallest of all five.

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

Q79. $255 \times 9 \div 75 + \sqrt{256} - 140 \div 5 \approx ?$ (find the approximate value)

- (a) 18.60
- (b) 20.04
- (c) 22.51
- (d) None of these
- (e) 17.49

Q80. Statements: Some Tables are Books. No Books is Chairs. All Chairs are Pens.

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

Books.

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

prepp
Your Personal Exam Guide