

IBPS RRB PO 2017 Prelims Memory Based Paper PDF

Q1. Ritu walks 15 km towards North, then turns right and walks 7 km. He then turns right again and walks 15 km. In which direction is Ritu now with respect to his starting point?

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

Q2. I. $x^2 + 5x + 4 = 0$ II. $y^2 + 10y - 11 = 0$. On solving both equations, find the relation between x and y.

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

Q3. $120 \times 9 \div 65 + \sqrt{225} - 185 \div 5 \approx ?$ (find the approximate value)

- (a) -5.38
- (b) None of these
- (c) -4.63
- (d) -5.84
- (e) -6.47

Q4. I. $x^2 - 15x + 56 = 0$ II. $y^2 + 18y + 72 = 0$. On solving both equations, find the relation between x and y.

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

Q5. Statement: $D < A = C < H$

Conclusions: I. $D > C$ II. $A = H$

- (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

Q6. What is the area of a rectangle?

I. The length of the rectangle is 11 cm.

II. The perimeter of the rectangle is 34 cm.

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

Q7. In a class of 30 students, Vikas ranks 15th from the top. What is Vikas's rank from the bottom?

- (a) 19

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

Q8. What is the code for 'moon' in a certain code language?

I. 'moon is bright' is written as 'H T W'.

II. 'rain is bright' is written as 'R T W'.

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

Q9. Find the average of the following numbers: 34, 37, 28, 42, 30.

- (a) 38.38
- (b) 34.20
- (c) 36.32
- (d) None of these
- (e) 37.12

Q10-Q14. 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: 2016-730, 2017-430, 2018-680, 2019-550, 2020-660

Company B: 2016-310, 2017-440, 2018-670, 2019-750, 2020-310

Company C: 2016-690, 2017-700, 2018-760, 2019-660, 2020-500

Company D: 2016-780, 2017-310, 2018-640, 2019-250, 2020-720

Company E: 2016-290, 2017-380, 2018-430, 2019-870, 2020-280

Q10. What is the total number of employees (in hundreds) in Company A over all five years?

- (a) None of these
- (b) 3351
- (c) 3205
- (d) 3050
- (e) 2847

Q11. What is the difference between the number of employees in Company A and Company C in 2018?

- (a) 80
- (b) 66
- (c) 90
- (d) 93
- (e) None of these

Q12. Find the average number of employees (in hundreds) across all five companies in 2018.

- (a) 710.14
- (b) 589.79
- (c) 527.02
- (d) 636
- (e) None of these

- Q13.** What is the percentage change in the number of employees of Company A from 2018 to 2016?
- (a) 6.13
 - (b) 9.64
 - (c) None of these
 - (d) 6.51
 - (e) 7.35
- Q14.** What is the total number of employees (in hundreds) in Company D in 2018 and Company C in 2016 together?
- (a) 1244
 - (b) None of these
 - (c) 1427
 - (d) 1330
 - (e) 1272
- Q15.** Find the missing term: 11, 17, 23, 29, 35, ?
- (a) 45
 - (b) 38
 - (c) 36
 - (d) 41
 - (e) None of these
- Q16.** Pointing to a photograph, Sanjay said, "Rajesh is the son of my father's only son." How is Rajesh related to Sanjay?
- (a) Nephew
 - (b) Father
 - (c) Son
 - (d) Cousin
 - (e) Brother
- Q17.** Find the missing term: 16, 18, 30, 32, 44, ?
- (a) 37
 - (b) 46
 - (c) 41
 - (d) 51
 - (e) None of these
- Q18.** $435 \times 5 \div 70 + \sqrt{225} - 110 \div 5 \approx ?$ (find the approximate value)
- (a) 29.21
 - (b) 19.87
 - (c) 24.07
 - (d) 28.11
 - (e) None of these
- Q19.** Two varieties of rice costing ₹48/kg and ₹94/kg are mixed in the ratio 4:5. Find the average cost of the mixture per kg (in ₹).
- (a) 77.72
 - (b) 73.56
 - (c) 65.93
 - (d) None of these
 - (e) 81.13

Q20. Meena walks 15 km towards North, then turns left and walks 6 km. He then turns left again and walks 15 km. In which direction is Meena now with respect to his starting point?

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

Q21. In a certain code language, 'Vikas works hard' is written as '7 8 9' and 'Kavita works daily' is written as '4 8 5'. What is the code for 'works' in this language?

- (a) 9
- (b) 4
- (c) 5
- (d) 8
- (e) 7

Q22. In a certain code language, 'Pooja works hard' is written as '5 8 9' and 'Rajesh works daily' is written as '4 8 1'. What is the code for 'works' in this language?

- (a) 1
- (b) 9
- (c) 8
- (d) 4
- (e) 5

Q23. $125 \times 4 \div 45 + \sqrt{256} - 110 \div 2 \approx ?$ (find the approximate value)

- (a) -24.41
- (b) -33.06
- (c) None of these
- (d) -32.73
- (e) -27.89

Q24. Is the number x an even number?

I. x is completely divisible by 18.

II. x is completely divisible by 16.

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

Q25. I. $x^2 + 11x + 18 = 0$ II. $y^2 + 8y + 0 = 0$. On solving both equations, find the relation between x and y .

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

Q26. What is the code for 'cloud' in a certain code language?

I. 'cloud is bright' is written as 'L X C'.

II. 'star is bright' is written as 'M X C'.

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

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

Q27. $[(16 \times 9) \div 2 - 5] \times 5 \div 8 + (9 - 2) = ?$

- (a) 50.39
- (b) 48.88
- (c) None of these
- (d) 54.46
- (e) 53.64

Q28. $[(39 \times 6) \div 4 - 6] \times 8 \div 5 + (6 - 4) = ?$

- (a) None of these
- (b) 90.91
- (c) 95.25
- (d) 86
- (e) 81.12

Q29. A train covers 160 km at a speed of 48 km/hr. Find the time taken (in hours).

- (a) 3.04
- (b) 3.63
- (c) 3.33
- (d) 3.46
- (e) None of these

Q30. Isha walks 11 km towards North, then turns left and walks 7 km. He then turns left again and walks 11 km. In which direction is Isha now with respect to his starting point?

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

Q31. Is the number x an even number?

I. x is completely divisible by 6.

II. x is completely divisible by 20.

- (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

Q32. Pointing to a photograph, Vivek said, "Neha is the son of my father's only son." How is Neha related to Vivek?

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

Q33. Study the following sequence carefully and answer the question given below:

Y 2 9 9 F B 6 2 5 9 E @ 7

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

- (a) 2

- (b) None of these
- (c) 5
- (d) 0
- (e) 1

Q34. Statements: No Tables is Lamps. Some Lamps are Mirrors. All Mirrors are Doors.
Conclusions: I. Some Mirrors are not Tables. II. Some Doors are Lamps. III. No Tables is Doors.

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

Q35. $(3^3) - (9^2) + 20 \div 4 = ?$

- (a) None of these
- (b) -44.67
- (c) -52.30
- (d) -49
- (e) -51.34

Q36. Meena said, "Kiran's mother is the only daughter of my mother." How is Meena related to Kiran?

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

Q37. In a class of 29 students, Sonia ranks 6th from the top. What is Sonia's rank from the bottom?

- (a) 26
- (b) None of these
- (c) 19
- (d) 24
- (e) 27

Q38. In a certain code language, 'Divya works hard' is written as '9 4 2' and 'Anita works daily' is written as '6 4 7'. What is the code for 'works' in this language?

- (a) 2
- (b) 7
- (c) 4
- (d) 6
- (e) 9

Q39. $285 \times 6 \div 65 + \sqrt{256} - 105 \div 5 \approx ?$ (find the approximate value)

- (a) 22.94
- (b) 22.91
- (c) None of these
- (d) 23.09
- (e) 21.31

Q40-Q44. Seven persons Gaurav, Neha, Payal, Rohit, Simran, Vikas, Vivek sit in a row facing north, not necessarily in the same order. Payal sits at the extreme left end. Vikas

sits at the extreme right end. Gaurav sits exactly in the middle of the row. Rohit sits second from the left end. Neha sits to the immediate right of Rohit. Simran sits second from the right end. Vivek sits between Gaurav and Simran.

Q40. Who sits third from the left end?

- (a) Neha
- (b) Gaurav
- (c) Vivek
- (d) Vikas
- (e) Payal

Q41. How many persons sit to the right of Gaurav?

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

Q42. Who sits immediate left of Gaurav?

- (a) Gaurav
- (b) Vivek
- (c) Neha
- (d) Simran
- (e) Rohit

Q43. Which of the following sits at the extreme right end of the row?

- (a) Gaurav
- (b) Vivek
- (c) Simran
- (d) Vikas
- (e) Neha

Q44. Who sits exactly between Gaurav and Simran?

- (a) Gaurav
- (b) Rohit
- (c) Neha
- (d) Simran
- (e) Vivek

Q45. Who is the tallest among Kavita, Naveen, Rajesh, Anita and Payal?

I. Rajesh is taller than Kavita and Anita but shorter than Naveen.

II. Payal 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

Q46. I. $x^2 - 7x + 0 = 0$ II. $y^2 - 4y - 60 = 0$. On solving both equations, find the relation between x and y .

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

(e) $x \leq y$

Q47. What is the code for 'star' in a certain code language?

I. 'star is bright' is written as 'B L W'.

II. 'river is bright' is written as 'Z L W'.

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

Q48. Statement: $F < C < B < H$

Conclusions: I. $F < B$ II. $C = H$

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

Q49. A train covers 130 km at a speed of 50 km/hr. Find the time taken (in hours).

- (a) 2.60
- (b) 2.68
- (c) None of these
- (d) 2.28
- (e) 2.42

Q50. Study the following sequence carefully and answer the question given below:

1 4 8 * 3 @ A 5 \$ K T N @

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

Q51-Q55. 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-120, Feb-125, Mar-90, Apr-65, May-250, Jun-100

Product Q: Jan-80, Feb-200, Mar-70, Apr-150, May-240, Jun-75

Q51. What is the total number of units (in tens) of products P and Q sold together in Jan?

- (a) 214
- (b) None of these
- (c) 179
- (d) 200
- (e) 189

Q52. What is the difference in units sold between Product P and Product Q in Apr?

- (a) -97
- (b) -85
- (c) -95
- (d) None of these

(e) -64

Q53. Find the average monthly sale (in tens) of Product P over the six months.

- (a) None of these
- (b) 139.61
- (c) 106.77
- (d) 138.92
- (e) 125

Q54. What is the total number of units (in tens) of Product Q sold over all six months?

- (a) 755
- (b) 815
- (c) None of these
- (d) 742
- (e) 758

Q55. What is the ratio of units sold of Product P to Product Q in Apr?

- (a) None of these
- (b) 15:28
- (c) 1:2
- (d) 13:30
- (e) 3:8

Q56-Q60. The pie chart below shows the percentage distribution of 3600 students enrolled across six streams A, B, C, D, E, F. Study it and answer the questions that follow.

A: 25%, B: 26%, C: 18%, D: 7%, E: 13%, F: 11%

Q56. How many students are enrolled in stream C?

- (a) 563
- (b) 648
- (c) None of these
- (d) 601
- (e) 732

Q57. What is the difference between the number of students in stream F and stream D?

- (a) 119
- (b) 131
- (c) None of these
- (d) 174
- (e) 144

Q58. What is the central angle (in degrees) representing stream F in the pie chart?

- (a) 43.59
- (b) None of these
- (c) 42.61
- (d) 41.24
- (e) 39.60

Q59. What is the ratio of the number of students in stream A to stream B?

- (a) 8:9
- (b) 25:26
- (c) None of these
- (d) 9:8
- (e) 25:28

Q60. How many students are NOT enrolled in stream E?

- (a) None of these
- (b) 3132
- (c) 3325
- (d) 2750
- (e) 3532

Q61-Q65. Six persons Aman, Kavita, Komal, Neha, Payal, Tarun sit around a circular table facing the centre, not necessarily in the same order. Kavita sits second to the right of Aman. Tarun sits third to the left of Aman. Neha sits immediate right of Tarun. Payal sits between Kavita and Komal.

Q61. Who sits second to the right of Aman?

- (a) Neha
- (b) Komal
- (c) Payal
- (d) Aman
- (e) Kavita

Q62. Who sits immediate right of Tarun?

- (a) Tarun
- (b) Neha
- (c) Komal
- (d) Aman
- (e) Kavita

Q63. Who sits between Kavita and Komal?

- (a) Tarun
- (b) Komal
- (c) Kavita
- (d) Payal
- (e) Neha

Q64. Who sits third to the left of Aman?

- (a) Kavita
- (b) Payal
- (c) Tarun
- (d) Aman
- (e) Neha

Q65. How many persons are seated around the table?

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

Q66-Q70. Seven persons Gaurav, Meena, Nisha, Rahul, Rajesh, Sanjay, Vikas 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. Nisha lives on the topmost floor. Vikas lives exactly in the middle floor. Gaurav lives immediately above Meena. Sanjay lives immediately above Gaurav. Rahul lives immediately below Nisha. Rajesh lives exactly between Vikas and Rahul.

Q66. Who lives on the 3rd floor?

- (a) Meena
- (b) Sanjay
- (c) Vikas
- (d) Nisha
- (e) Gaurav

Q67. How many persons live above the floor of Vikas?

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

Q68. Who lives immediately below Vikas?

- (a) Rahul
- (b) Sanjay
- (c) Nisha
- (d) Vikas
- (e) Meena

Q69. Who lives on the topmost floor?

- (a) Nisha
- (b) Rajesh
- (c) Vikas
- (d) Gaurav
- (e) Meena

Q70. Who lives exactly between the floors of Vikas and Rahul?

- (a) Gaurav
- (b) Meena
- (c) Sanjay
- (d) Rajesh
- (e) Nisha

Q71. Find the missing term: 12, 36, 108, 324, ?, 2916

- (a) 780
- (b) 774
- (c) None of these
- (d) 853
- (e) 972

Q72. Statements: All Books are Cups. All Cups are Doors. No Doors is Pens.

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

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

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

L Q 7 J 0 6 R # @ W 0 & D

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

- (a) 2

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

Q74. What is the area of a rectangle?

- I. The length of the rectangle is 18 cm.
- II. The perimeter of the rectangle is 44 cm.

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

Q75. I. $x^2 + 7x - 30 = 0$ II. $y^2 + 7y + 0 = 0$. 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) $x \leq y$

Q76. Statement: $C = E > G < D$

Conclusions: I. $C > G$ II. $E = D$

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

Q77. Find the missing term: 20, 60, 180, 540, 1620, ?

- (a) 5398
- (b) 4860
- (c) None of these
- (d) 5544
- (e) 3900

Q78. In a class of 40 students, Nisha ranks 31th from the top. What is Nisha's rank from the bottom?

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

Q79. Statements: Some Tables are Cups. No Cups is Lamps. All Lamps are Windows.

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

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

Q80. $48 \times (7/5) + (7/7) \times 17 = ?$

- (a) 75.85
- (b) 77.74
- (c) 78.38
- (d) 84.20
- (e) None of these

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