

IBPS RRB PO 2018 Prelims Memory Based Paper PDF

Q1. Nisha walks 5 km towards North, then turns left and walks 14 km. He then turns left again and walks 5 km. In which direction is Nisha now with respect to his starting point?

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

Q2. Statement: $H > E < G = F$

Conclusions: I. $H < G$ II. $E > F$

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

Q3. Statements: Some Pens are Books. No Books is Doors. All Doors are Bottles.

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

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

Q4. Is the number x an even number?

I. x is completely divisible by 10.

II. x is completely divisible by 8.

- (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) Both statements I and II together are necessary
- (e) Only statement II alone is sufficient

Q5. Statement: $F > E > G = C$

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

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

Q6. Study the following sequence carefully and answer the question given below:

6 V 1 3 V D 2 N K U 0 2 Z

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

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

Q7. Two varieties of rice costing ₹56/kg and ₹108/kg are mixed in the ratio 2:5. Find the average cost of the mixture per kg (in ₹).

- (a) 86.78
- (b) None of these
- (c) 100.43
- (d) 86.28
- (e) 93.14

Q8. $\sqrt{16} \times 22 - (9 \times 3) + 9 = ?$

- (a) None of these
- (b) 70
- (c) 64.28
- (d) 65.07
- (e) 67.71

Q9-Q13. 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: 2016-320, 2017-270, 2018-350, 2019-390, 2020-200

Company B: 2016-620, 2017-710, 2018-760, 2019-680, 2020-710

Company C: 2016-810, 2017-890, 2018-450, 2019-640, 2020-620

Company D: 2016-560, 2017-810, 2018-450, 2019-400, 2020-680

Company E: 2016-290, 2017-780, 2018-350, 2019-890, 2020-470

Q9. What is the total number of employees (in hundreds) in Company C over all five years?

- (a) 3299
- (b) None of these
- (c) 3318
- (d) 3209
- (e) 3410

Q10. What is the difference between the number of employees in Company C and Company A in 2019?

- (a) None of these
- (b) 265
- (c) 302
- (d) 223
- (e) 250

Q11. Find the average number of employees (in hundreds) across all five companies in 2019.

- (a) None of these
- (b) 702.50
- (c) 600
- (d) 646.97
- (e) 704.56

Q12. What is the percentage change in the number of employees of Company C from 2019 to 2018?

- (a) -23.19
- (b) -29.69
- (c) None of these
- (d) -38.33

(e) -32.47

Q13. What is the total number of employees (in hundreds) in Company B in 2019 and Company A in 2018 together?

- (a) 981
- (b) 1172
- (c) 1030
- (d) None of these
- (e) 1161

Q14. I. $x^2 - 15x + 36 = 0$ II. $y^2 + 6y - 27 = 0$. On solving both equations, find the relation between x and y.

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

Q15. Who is the tallest among Sonia, Deepak, Vivek, Aman and Rohit?

I. Vivek is taller than Sonia and Aman but shorter than Deepak.

II. Rohit is the tallest of all five.

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

Q16. What is the area of a rectangle?

I. The length of the rectangle is 9 cm.

II. The perimeter of the rectangle is 36 cm.

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

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

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

Q18. Find the average of the following numbers: 36, 69, 35, 33, 44.

- (a) None of these
- (b) 38.99
- (c) 40.41
- (d) 43.40
- (e) 38.61

Q19. Find the missing term: 19, 25, 33, 43, 55, ?

- (a) 69
- (b) None of these

- (c) 55
- (d) 60
- (e) 81

Q20. Is the number x an even number?

I. x is completely divisible by 6.

II. x is completely divisible by 18.

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

Q21. Find the missing term: 5, 8, 18, ?, 31, 34

- (a) 25
- (b) 24
- (c) 21
- (d) None of these
- (e) 26

Q22. Study the following sequence carefully and answer the question given below:

R M 3 8 Z 0 B 3 2 @ J F G

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

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

Q23. Rajesh walks 15 km towards North, then turns right and walks 9 km. He then turns right again and walks 15 km. In which direction is Rajesh now with respect to his starting point?

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

Q24. I. $x^2 - 8x + 7 = 0$ II. $y^2 - 11y + 24 = 0$. On solving both equations, find the relation between x and y .

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

Q25. $\sqrt{100 \times 37 - (11 \times 3)} + 20 = ?$

- (a) 357
- (b) 326.24
- (c) 394.77
- (d) None of these
- (e) 368.89

Q26. $175 \times 8 \div 25 + \sqrt{256} - 70 \div 5 \approx ?$ (find the approximate value)

- (a) 61.92
- (b) 58
- (c) 61.29
- (d) 69.26
- (e) None of these

Q27. What is the area of a rectangle?

I. The length of the rectangle is 16 cm.

II. The perimeter of the rectangle is 50 cm.

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

Q28. In a certain code language, 'Divya works hard' is written as '9 4 5' and 'Meena works daily' is written as '6 4 8'. What is the code for 'works' in this language?

- (a) 8
- (b) 6
- (c) 4
- (d) 5
- (e) 9

Q29. In a class of 21 students, Naveen ranks 14th from the top. What is Naveen's rank from the bottom?

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

Q30. In a class of 25 students, Isha ranks 19th from the top. What is Isha's rank from the bottom?

- (a) 6
- (b) 5
- (c) 8
- (d) 7
- (e) None of these

Q31. Isha introduced Tarun as the son of the only brother of Isha's mother. How is Tarun related to Isha?

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

Q32. $\sqrt{16 \times 35 - (11 \times 6) + 17} = ?$

- (a) 95.52
- (b) 81.30
- (c) 91
- (d) None of these
- (e) 98.30

Q33. Who is the tallest among Ashok, Suresh, Nisha, Tarun and Naveen?

I. Nisha is taller than Ashok and Tarun but shorter than Suresh.

II. Naveen 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

Q34. Naveen walks 11 km towards North, then turns right and walks 8 km. He then turns right again and walks 11 km. In which direction is Naveen now with respect to his starting point?

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

Q35. $[(39 \times 7) \div 2 - 8] \times 5 \div 17 + (7 - 2) = ?$

- (a) 44.72
- (b) None of these
- (c) 38.48
- (d) 45.60
- (e) 42.79

Q36. Statements: All Mirrors are Windows. All Windows are Doors. No Doors is Tables. Conclusions: I. All Mirrors are Doors. II. No Mirrors is Tables. III. Some Windows are not Tables.

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

Q37. Find the average of the following numbers: 48, 21, 45, 80, 51.

- (a) 49
- (b) 51.74
- (c) 46.75
- (d) 45.55
- (e) None of these

Q38-Q42. Seven persons Aman, Arjun, Deepak, Gaurav, Komal, Neha, Pooja sit in a row facing north, not necessarily in the same order. Aman sits at the extreme left end. Gaurav sits at the extreme right end. Komal sits exactly in the middle of the row. Arjun sits second from the left end. Neha sits to the immediate right of Arjun. Pooja sits second from the right end. Deepak sits between Komal and Pooja.

Q38. Who sits third from the left end?

- (a) Komal
- (b) Pooja
- (c) Deepak
- (d) Arjun
- (e) Neha

Q39. How many persons sit to the right of Komal?

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

Q40. Who sits immediate left of Komal?

- (a) Komal
- (b) Arjun
- (c) Deepak
- (d) Neha
- (e) Pooja

Q41. Which of the following sits at the extreme right end of the row?

- (a) Arjun
- (b) Aman
- (c) Gaurav
- (d) Neha
- (e) Komal

Q42. Who sits exactly between Komal and Pooja?

- (a) Komal
- (b) Gaurav
- (c) Deepak
- (d) Arjun
- (e) Aman

Q43. $180 \times 9 \div 25 + \sqrt{225} - 220 \div 5 \approx ?$ (find the approximate value)

- (a) 38.79
- (b) 32.15
- (c) 30.75
- (d) 35.80
- (e) None of these

Q44. Find the missing term: 8, 15, 31, ?, 54, 61

- (a) 38
- (b) 43
- (c) 31
- (d) 36
- (e) None of these

Q45-Q49. The pie chart below shows the percentage distribution of 3000 students enrolled across six streams A, B, C, D, E, F. Study it and answer the questions that follow.

A: 23%, B: 20%, C: 9%, D: 14%, E: 16%, F: 18%

Q45. How many students are enrolled in stream E?

- (a) None of these
- (b) 513
- (c) 519
- (d) 434
- (e) 480

Q46. What is the difference between the number of students in stream F and stream D?

- (a) 120
- (b) 133
- (c) None of these
- (d) 131
- (e) 140

Q47. What is the central angle (in degrees) representing stream D in the pie chart?

- (a) 44.93
- (b) 52.04
- (c) None of these
- (d) 50.40
- (e) 54.30

Q48. What is the ratio of the number of students in stream F to stream A?

- (a) 19:24
- (b) 17:23
- (c) 19:21
- (d) None of these
- (e) 18:23

Q49. How many students are NOT enrolled in stream C?

- (a) 2453
- (b) 2371
- (c) 2730
- (d) 2584
- (e) None of these

Q50. I. $x^2 + 21x + 110 = 0$ II. $y^2 + 20y + 99 = 0$. On solving both equations, find the relation between x and y.

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

Q51. Who is the tallest among Naveen, Arjun, Rajesh, Isha and Kiran?

I. Rajesh is taller than Naveen and Isha but shorter than Arjun.

II. Kiran is the tallest of all five.

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

Q52-Q56. Seven persons Divya, Komal, Nisha, Pooja, Rohit, Sonia, Suresh 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. Rohit lives on the lowest floor. Nisha lives on the topmost floor. Komal lives exactly in the middle floor. Sonia lives immediately above Rohit. Pooja lives immediately above Sonia. Divya lives immediately below Nisha. Suresh lives exactly between Komal and Divya.

Q52. Who lives on the 3rd floor?

- (a) Komal
- (b) Nisha

- (c) Suresh
- (d) Sonia
- (e) Pooja

Q53. How many persons live above the floor of Komal?

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

Q54. Who lives immediately below Komal?

- (a) Rohit
- (b) Divya
- (c) Komal
- (d) Pooja
- (e) Suresh

Q55. Who lives on the topmost floor?

- (a) Rohit
- (b) Nisha
- (c) Pooja
- (d) Komal
- (e) Suresh

Q56. Who lives exactly between the floors of Komal and Divya?

- (a) Nisha
- (b) Suresh
- (c) Divya
- (d) Pooja
- (e) Rohit

Q57. In a certain code language, 'Naveen works hard' is written as '8 2 1' and 'Rajesh works daily' is written as '9 2 3'. What is the code for 'works' in this language?

- (a) 3
- (b) 8
- (c) 9
- (d) 2
- (e) 1

Q58-Q62. 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-55, Feb-135, Mar-275, Apr-245, May-270, Jun-155

Product Q: Jan-280, Feb-120, Mar-295, Apr-270, May-225, Jun-75

Q58. What is the total number of units (in tens) of products P and Q sold together in Apr?

- (a) None of these
- (b) 571
- (c) 460
- (d) 515
- (e) 455

Q59. What is the difference in units sold between Product P and Product Q in May?

- (a) 45

- (b) 55
- (c) 50
- (d) None of these
- (e) 54

Q60. Find the average monthly sale (in tens) of Product P over the six months.

- (a) 209.33
- (b) 202.60
- (c) 189.17
- (d) None of these
- (e) 172.83

Q61. What is the total number of units (in tens) of Product Q sold over all six months?

- (a) None of these
- (b) 1265
- (c) 1341
- (d) 1375
- (e) 1155

Q62. What is the ratio of units sold of Product P to Product Q in Apr?

- (a) 49:54
- (b) 47:55
- (c) 47:53
- (d) 17:18
- (e) None of these

Q63. I. $x^2 - 6x - 16 = 0$ II. $y^2 + 15y + 50 = 0$. 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) $x \leq y$

Q64. Statements: No Windows is Mirrors. Some Mirrors are Books. All Books are Bottles. Conclusions: I. Some Books are not Windows. II. Some Bottles are Mirrors. III. No Windows is Bottles.

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

Q65. Statement: $H = C > A > F$

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

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

Q66. Who is the tallest among Kavita, Deepak, Komal, Manoj and Payal?

I. Komal is taller than Kavita and Manoj but shorter than Deepak.

II. Payal is the tallest of all five.

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

Q67. In a class of 37 students, Sanjay ranks 10th from the top. What is Sanjay's rank from the bottom?

- (a) 28
- (b) 32
- (c) None of these
- (d) 34
- (e) 30

Q68. Find the average of the following numbers: 28, 25, 49, 20, 24.

- (a) 33.20
- (b) 32.24
- (c) 24.95
- (d) 29.20
- (e) None of these

Q69. In a certain code language, 'Payal works hard' is written as '1 9 6' and 'Neha works daily' is written as '4 9 5'. What is the code for 'works' in this language?

- (a) 5
- (b) 6
- (c) 9
- (d) 4
- (e) 1

Q70. $450 \times 5 \div 35 + \sqrt{169} - 65 \div 5 \approx ?$ (find the approximate value)

- (a) 77.74
- (b) 64.29
- (c) None of these
- (d) 69.17
- (e) 57.84

Q71. Gaurav said, "Pooja's mother is the only daughter of my mother." How is Gaurav related to Pooja?

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

Q72. I. $x^2 - 144 = 0$ II. $y^2 - 12y + 35 = 0$. On solving both equations, find the relation between x and y.

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

Q73. $450 \times 6 \div 40 + \sqrt{256} - 220 \div 2 \approx ?$ (find the approximate value)

- (a) None of these

- (b) -30.64
- (c) -24.20
- (d) -26.50
- (e) -23.03

Q74. Study the following sequence carefully and answer the question given below:

6 2 J L M \$ * 0 T 0 5 0

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

Q75-Q79. Six persons Aman, Anita, Manoj, Meena, Sonia, Vikas sit around a circular table facing the centre, not necessarily in the same order. Manoj sits second to the right of Sonia. Meena sits third to the left of Sonia. Vikas sits immediate right of Meena. Aman sits between Manoj and Anita.

Q75. Who sits second to the right of Sonia?

- (a) Manoj
- (b) Aman
- (c) Anita
- (d) Vikas
- (e) Meena

Q76. Who sits immediate right of Meena?

- (a) Aman
- (b) Meena
- (c) Vikas
- (d) Manoj
- (e) Sonia

Q77. Who sits between Manoj and Anita?

- (a) Manoj
- (b) Sonia
- (c) Aman
- (d) Vikas
- (e) Meena

Q78. Who sits third to the left of Sonia?

- (a) Manoj
- (b) Vikas
- (c) Meena
- (d) Aman
- (e) Sonia

Q79. How many persons are seated around the table?

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

Q80. Find the missing term: 11, 16, 23, 32, ?, 56

- (a) 51
- (b) None of these
- (c) 45
- (d) 43
- (e) 40

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