

IBPS RRB PO 2020 Prelims Memory Based Paper PDF

Q1-Q5. Seven persons Arjun, Divya, Meena, Naveen, Pooja, Suresh, Tarun sit in a row facing north, not necessarily in the same order. Suresh sits at the extreme left end. Arjun sits at the extreme right end. Naveen sits exactly in the middle of the row. Pooja sits second from the left end. Meena sits to the immediate right of Pooja. Divya sits second from the right end. Tarun sits between Naveen and Divya.

Q1. Who sits third from the left end?

- (a) Divya
- (b) Suresh
- (c) Meena
- (d) Arjun
- (e) Naveen

Q2. How many persons sit to the right of Naveen?

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

Q3. Who sits immediate left of Naveen?

- (a) Pooja
- (b) Suresh
- (c) Tarun
- (d) Divya
- (e) Meena

Q4. Which of the following sits at the extreme right end of the row?

- (a) Pooja
- (b) Arjun
- (c) Suresh
- (d) Tarun
- (e) Divya

Q5. Who sits exactly between Naveen and Divya?

- (a) Tarun
- (b) Divya
- (c) Naveen
- (d) Suresh
- (e) Arjun

Q6. Who is the tallest among Rajesh, Vivek, Aman, Neha and Meena?

I. Aman is taller than Rajesh and Neha but shorter than Vivek.

II. Meena is the tallest of all five.

- (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

Q7. In a class of 30 students, Kiran ranks 14th from the top. What is Kiran's rank from the bottom?

- (a) 14
- (b) 16
- (c) None of these
- (d) 21
- (e) 17

Q8-Q12. Six persons Divya, Isha, Manoj, Simran, Sonia, Tarun sit around a circular table facing the centre, not necessarily in the same order. Manoj sits second to the right of Divya. Simran sits third to the left of Divya. Isha sits immediate right of Simran. Tarun sits between Manoj and Sonia.

Q8. Who sits second to the right of Divya?

- (a) Divya
- (b) Tarun
- (c) Isha
- (d) Simran
- (e) Manoj

Q9. Who sits immediate right of Simran?

- (a) Isha
- (b) Manoj
- (c) Sonia
- (d) Simran
- (e) Tarun

Q10. Who sits between Manoj and Sonia?

- (a) Manoj
- (b) Isha
- (c) Sonia
- (d) Simran
- (e) Tarun

Q11. Who sits third to the left of Divya?

- (a) Sonia
- (b) Divya
- (c) Tarun
- (d) Simran
- (e) Manoj

Q12. How many persons are seated around the table?

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

Q13. Statements: No Windows is Lamps. Some Lamps are Books. All Books are Doors.
Conclusions: I. Some Books are not Windows. II. Some Doors are Lamps. III. No Windows is Doors.

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

Q14. The speed of a boat in still water is 12 km/hr and the speed of the current is 2 km/hr. Find the time taken to cover 28 km downstream (in hours).

- (a) 2.09
- (b) None of these
- (c) 1.69
- (d) 2
- (e) 2.12

Q15. Pointing to a photograph, Ritu said, "Meena is the son of my father's only son." How is Meena related to Ritu?

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

Q16. I. $x^2 + 6x - 7 = 0$ II. $y^2 + 4y + 0 = 0$. On solving both equations, find the relation between x and y .

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

Q17-Q21. 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: 2016-460, 2017-310, 2018-340, 2019-270, 2020-200

Company B: 2016-720, 2017-330, 2018-320, 2019-480, 2020-270

Company C: 2016-510, 2017-540, 2018-770, 2019-810, 2020-890

Company D: 2016-660, 2017-340, 2018-360, 2019-510, 2020-790

Company E: 2016-850, 2017-450, 2018-660, 2019-580, 2020-230

Q17. What is the total number of employees (in hundreds) in Company C over all five years?

- (a) 3858
- (b) 3823
- (c) 3520
- (d) None of these
- (e) 3762

Q18. What is the difference between the number of employees in Company C and Company A in 2016?

- (a) 39
- (b) 50
- (c) None of these
- (d) 53
- (e) 54

Q19. Find the average number of employees (in hundreds) across all five companies in 2016.

- (a) 712.82
- (b) None of these

- (c) 640
- (d) 569.30
- (e) 726.50

Q20. What is the percentage change in the number of employees of Company C from 2016 to 2017?

- (a) 4.24
- (b) None of these
- (c) 7.43
- (d) 5.88
- (e) 6.83

Q21. What is the total number of employees (in hundreds) in Company B in 2016 and Company A in 2017 together?

- (a) 1183
- (b) 1153
- (c) None of these
- (d) 1030
- (e) 852

Q22. In a class of 28 students, Rahul ranks 18th from the top. What is Rahul's rank from the bottom?

- (a) None of these
- (b) 11
- (c) 12
- (d) 13
- (e) 9

Q23. What is the area of a rectangle?

I. The length of the rectangle is 17 cm.

II. The perimeter of the rectangle is 58 cm.

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

Q24. I. $x^2 + 20x + 96 = 0$ II. $y^2 + 5y - 6 = 0$. On solving both equations, find the relation between x and y.

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

Q25. $(6^3) - (6^2) + 15 \div 4 = ?$

- (a) 206.75
- (b) 169.54
- (c) None of these
- (d) 183.75
- (e) 160.54

Q26. Statement: $A = E > G < F$

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

- (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

Q27. In a certain code language, 'Aman works hard' is written as '9 4 2' and 'Priya works daily' is written as '6 4 3'. What is the code for 'works' in this language?

- (a) 2
- (b) 9
- (c) 3
- (d) 6
- (e) 4

Q28. In a certain code language, 'Rohit works hard' is written as '3 6 1' and 'Sonia works daily' is written as '8 6 7'. What is the code for 'works' in this language?

- (a) 8
- (b) 1
- (c) 7
- (d) 6
- (e) 3

Q29. What is the area of a rectangle?

- I. The length of the rectangle is 15 cm.
- II. The perimeter of the rectangle is 52 cm.

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

Q30. Find the compound interest on ₹29000 at 5% per annum for 2 years, compounded annually.

- (a) None of these
- (b) 2972.50
- (c) 2494.40
- (d) 2748.01
- (e) 2749.75

Q31. Find the missing term: 3, 9, ?, 21, 27, 33

- (a) 15
- (b) None of these
- (c) 17
- (d) 14
- (e) 12

Q32. In a certain code language, 'Pooja works hard' is written as '8 2 3' and 'Nisha works daily' is written as '9 2 1'. What is the code for 'works' in this language?

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

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

Y R 4 9 @ % R F \$ 5 @ X 5

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

Q34. $14 \times (4/6) + (4/4) \times 19 = ?$

- (a) 26.27
- (b) None of these
- (c) 29.66
- (d) 28.33
- (e) 25.63

Q35. $130 \times 4 \div 25 + \sqrt{169} - 55 \div 5 \approx ?$ (find the approximate value)

- (a) 22.80
- (b) 25.44
- (c) None of these
- (d) 19.18
- (e) 19.42

Q36. In a class of 40 students, Ritu ranks 22th from the top. What is Ritu's rank from the bottom?

- (a) 23
- (b) None of these
- (c) 19
- (d) 21
- (e) 22

Q37. Study the following sequence carefully and answer the question given below:

H 6 V 6 & @ J 3 # W @ \$ &

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

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

Q38. Statements: All Chairs are Lamps. All Lamps are Cups. No Cups is Mirrors.

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

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

Q39. Find the missing term: 4, 11, 20, ?, 44, 59

- (a) None of these
- (b) 33
- (c) 31
- (d) 35

(e) 28

Q40. $56 \times (3/4) + (7/8) \times 10 = ?$

- (a) None of these
- (b) 48.39
- (c) 50.75
- (d) 55.72
- (e) 56.47

Q41. Is the number x an even number?

I. x is completely divisible by 6.

II. x is completely divisible by 4.

- (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

Q42. I. $x^2 + 9x - 36 = 0$ II. $y^2 - 17y + 66 = 0$. On solving both equations, find the relation between x and y .

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

Q43. Statements: No Chairs is Doors. Some Doors are Windows. All Windows are Tables. Conclusions: I. Some Windows are not Chairs. II. Some Tables are Doors. III. No Chairs is Tables.

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

Q44-Q48. Seven persons Gaurav, Isha, Meena, Payal, Ritu, Suresh, Tarun 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. Suresh lives on the lowest floor. Meena lives on the topmost floor. Tarun lives exactly in the middle floor. Isha lives immediately above Suresh. Ritu lives immediately above Isha. Payal lives immediately below Meena. Gaurav lives exactly between Tarun and Payal.

Q44. Who lives on the 3rd floor?

- (a) Meena
- (b) Payal
- (c) Tarun
- (d) Ritu
- (e) Isha

Q45. How many persons live above the floor of Tarun?

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

(e) 2

Q46. Who lives immediately below Tarun?

- (a) Payal
- (b) Meena
- (c) Suresh
- (d) Gaurav
- (e) Ritu

Q47. Who lives on the topmost floor?

- (a) Gaurav
- (b) Tarun
- (c) Isha
- (d) Meena
- (e) Suresh

Q48. Who lives exactly between the floors of Tarun and Payal?

- (a) Payal
- (b) Meena
- (c) Gaurav
- (d) Suresh
- (e) Ritu

Q49. Two numbers are in the ratio 4:6 and their sum is 270. Find the larger number.

- (a) 141.43
- (b) 162
- (c) 156.87
- (d) None of these
- (e) 155.93

Q50. $370 \times 4 \div 35 + \sqrt{256} - 140 \div 2 \approx ?$ (find the approximate value)

- (a) None of these
- (b) -9.59
- (c) -11.71
- (d) -12.81
- (e) -14.06

Q51. Who is the tallest among Aman, Rahul, Sanjay, Isha and Simran?

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

II. Simran is the tallest of all five.

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

Q52. I. $x^2 - 5x - 14 = 0$ II. $y^2 - 17y + 70 = 0$. On solving both equations, find the relation between x and y.

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

Q53. Statement: $C > G < B = D$

Conclusions: I. $C = B$ II. $G < D$

- (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

Q54. $300 \times 9 \div 75 + \sqrt{196} - 180 \div 2 \approx ?$ (find the approximate value)

- (a) -40
- (b) -33
- (c) -45.15
- (d) -45.30
- (e) None of these

Q55. Find the average of the following numbers: 79, 55, 55, 78, 82.

- (a) None of these
- (b) 76.03
- (c) 59.22
- (d) 59.53
- (e) 69.80

Q56. Kiran walks 7 km towards North, then turns right and walks 7 km. He then turns right again and walks 7 km. In which direction is Kiran now with respect to his starting point?

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

Q57. $355 \times 9 \div 85 + \sqrt{144} - 225 \div 2 \approx ?$ (find the approximate value)

- (a) -57.86
- (b) -75.22
- (c) -62.91
- (d) -74.68
- (e) None of these

Q58. Rajesh 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 Rajesh now with respect to his starting point?

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

Q59. Find the missing term: 8, 14, 22, 32, ?, 58

- (a) 46
- (b) 53
- (c) 44
- (d) 40
- (e) None of these

Q60-Q64. 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-80, Feb-170, Mar-90, Apr-150, May-170, Jun-115

Product Q: Jan-130, Feb-275, Mar-55, Apr-220, May-225, Jun-75

Q60. What is the total number of units (in tens) of products P and Q sold together in Jan?

- (a) None of these
- (b) 202
- (c) 229
- (d) 210
- (e) 191

Q61. What is the difference in units sold between Product P and Product Q in Apr?

- (a) -58
- (b) -70
- (c) -80
- (d) None of these
- (e) -89

Q62. Find the average monthly sale (in tens) of Product P over the six months.

- (a) None of these
- (b) 148.54
- (c) 147.48
- (d) 129.17
- (e) 115.97

Q63. What is the total number of units (in tens) of Product Q sold over all six months?

- (a) 885
- (b) 879
- (c) None of these
- (d) 980
- (e) 949

Q64. What is the ratio of units sold of Product P to Product Q in Feb?

- (a) 34:55
- (b) None of these
- (c) 31:55
- (d) 11:19
- (e) 32:57

Q65. Ritu introduced Simran as the son of the only brother of Ritu's mother. How is Simran related to Ritu?

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

Q66. Who is the tallest among Sonia, Priya, Neha, Rahul and Ashok?

I. Neha is taller than Sonia and Rahul but shorter than Priya.

II. Ashok is the tallest of all five.

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

- (c) Only statement II alone is sufficient
- (d) Either statement I or II alone is sufficient
- (e) Neither statement I nor II is sufficient

Q67. Study the following sequence carefully and answer the question given below:

\$ 4 @ Z * H 7 3 6 7 2 A Z

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

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

Q68. Statement: $G > F > E = A$

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

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

Q69-Q73. The pie chart below shows the percentage distribution of 2900 students enrolled across six streams A, B, C, D, E, F. Study it and answer the questions that follow.

A: 19%, B: 18%, C: 18%, D: 13%, E: 20%, F: 12%

Q69. How many students are enrolled in stream C?

- (a) 522
- (b) 541
- (c) 465
- (d) 491
- (e) None of these

Q70. What is the difference between the number of students in stream D and stream B?

- (a) 145
- (b) None of these
- (c) 155
- (d) 113
- (e) 118

Q71. What is the central angle (in degrees) representing stream C in the pie chart?

- (a) 69.34
- (b) None of these
- (c) 64.80
- (d) 71.30
- (e) 70.36

Q72. What is the ratio of the number of students in stream B to stream F?

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

Q73. How many students are NOT enrolled in stream C?

- (a) 2378
- (b) 2487
- (c) None of these
- (d) 2613
- (e) 2203

Q74. Is the number x an even number?

I. x is completely divisible by 20.

II. x is completely divisible by 4.

- (a) Only statement II 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 I alone is sufficient

Q75. Priya walks 8 km towards North, then turns right and walks 15 km. He then turns right again and walks 8 km. In which direction is Priya now with respect to his starting point?

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

Q76. I. $x^2 + 4x - 77 = 0$ II. $y^2 - 5y - 36 = 0$. 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) $x \leq y$
- (e) $x \geq y$

Q77. What is the code for 'sky' in a certain code language?

I. 'sky is bright' is written as 'H S Z'.

II. 'river is bright' is written as 'A S Z'.

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

Q78. Find the missing term: 20, 60, 180, 540, 1620, ?

- (a) 4264
- (b) 3860
- (c) None of these
- (d) 4860
- (e) 5879

Q79. Pointing to a photograph, Vikas said, "Divya is the son of my father's only son." How is Divya related to Vikas?

- (a) Cousin
- (b) Son
- (c) Nephew

- (d) Father
- (e) Brother

Q80. $[(35 \times 5) \div 8 - 13] \times 6 \div 11 + (5 - 8) = ?$

- (a) 1.90
- (b) 1.98
- (c) None of these
- (d) 1.84
- (e) 2.08

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