

IBPS RRB PO 2024 Prelims Memory Based Paper PDF

Q1. Find the average of the following numbers: 53, 44, 29, 81, 59.

- (a) None of these
- (b) 53.20
- (c) 48.81
- (d) 46.99
- (e) 45.72

Q2. In a class of 28 students, Neha ranks 21th from the top. What is Neha's rank from the bottom?

- (a) 10
- (b) None of these
- (c) 8
- (d) 7
- (e) 9

Q3. Tarun introduced Aman as the son of the only brother of Tarun's mother. How is Aman related to Tarun?

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

Q4. Statements: All Lamps are Chairs. All Chairs are Mirrors. No Mirrors is Windows.
Conclusions: I. All Lamps are Mirrors. II. No Lamps is Windows. III. Some Chairs are not Windows.

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

Q5. Is the number x an even number?

I. x is completely divisible by 14.

II. x is completely divisible by 10.

- (a) Neither statement I nor II 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) Either statement I or II alone is sufficient

Q6. $55 \times (9/3) + (3/6) \times 20 = ?$

- (a) 188.96
- (b) 162.44
- (c) 160.32
- (d) 175
- (e) None of these

Q7. Is the number x an even number?

I. x is completely divisible by 8.

II. x is completely divisible by 18.

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

Q8. Study the following sequence carefully and answer the question given below:

0 \$ # 8 7 X & K 2 6 7 2 H

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

Q9. Vivek walks 7 km towards North, then turns left and walks 7 km. He then turns left again and walks 7 km. In which direction is Vivek now with respect to his starting point?

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

Q10. $[(18 \times 11) \div 4 - 5] \times 8 \div 9 + (11 - 4) = ?$

- (a) 42.36
- (b) 44.18
- (c) 50.75
- (d) 46.56
- (e) None of these

Q11. I. $x^2 - 8x - 33 = 0$ II. $y^2 - 15y + 56 = 0$. On solving both equations, find the relation between x and y.

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

Q12. Who is the tallest among Isha, Tarun, Aman, Anita and Kavita?

I. Aman is taller than Isha and Anita but shorter than Tarun.

II. Kavita is the tallest of all five.

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

Q13. $325 \times 8 \div 65 + \sqrt{225} - 235 \div 2 \approx ?$ (find the approximate value)

- (a) -56.32
- (b) -56.90
- (c) None of these
- (d) -49.04
- (e) -62.50

Q14. Find the missing term: 18, 24, 37, ?, 56, 62

- (a) 37
- (b) 43
- (c) 51
- (d) 34
- (e) None of these

Q15. $42 \times (6/6) + (9/5) \times 13 = ?$

- (a) None of these
- (b) 58.64
- (c) 63.39
- (d) 65.40
- (e) 73.19

Q16-Q20. 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-135, Feb-190, Mar-210, Apr-135, May-175, Jun-130

Product Q: Jan-175, Feb-275, Mar-110, Apr-275, May-240, Jun-150

Q16. What is the total number of units (in tens) of products P and Q sold together in Mar?

- (a) 340
- (b) 320
- (c) 291
- (d) 290
- (e) None of these

Q17. What is the difference in units sold between Product P and Product Q in Jun?

- (a) -17
- (b) -24
- (c) None of these
- (d) -20
- (e) -26

Q18. Find the average monthly sale (in tens) of Product P over the six months.

- (a) None of these
- (b) 147.87
- (c) 187.69
- (d) 162.50
- (e) 144.36

Q19. What is the total number of units (in tens) of Product Q sold over all six months?

- (a) 1225
- (b) None of these
- (c) 1338
- (d) 1116
- (e) 1319

Q20. What is the ratio of units sold of Product P to Product Q in May?

- (a) 35:48
- (b) 19:24
- (c) None of these
- (d) 37:49
- (e) 37:47

Q21. Who is the tallest among Ritu, Suresh, Priya, Neha and Simran?

I. Priya is taller than Ritu and Neha but shorter than Suresh.

II. Simran is the tallest of all five.

- (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

Q22. Pipe A can fill a tank in 8 hours and Pipe B can fill the same tank in 13 hours. If both pipes are opened together, find the time taken to fill the tank (in hours).

- (a) 5.71
- (b) 4.53
- (c) 4.95
- (d) None of these
- (e) 4.73

Q23. In a certain code language, 'Naveen works hard' is written as '2 8 1' and 'Komal works daily' is written as '4 8 7'. What is the code for 'works' in this language?

- (a) 2
- (b) 7
- (c) 1
- (d) 8
- (e) 4

Q24. The speed of a boat in still water is 9 km/hr and the speed of the current is 5 km/hr. Find the time taken to cover 52 km downstream (in hours).

- (a) 3.42
- (b) 4.02
- (c) None of these
- (d) 3.71
- (e) 4.13

Q25-Q29. 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: 7%, B: 15%, C: 9%, D: 24%, E: 12%, F: 33%

Q25. How many students are enrolled in stream A?

- (a) 193
- (b) 225
- (c) None of these
- (d) 218
- (e) 203

Q26. What is the difference between the number of students in stream F and stream E?

- (a) None of these
- (b) 578
- (c) 609
- (d) 537
- (e) 496

Q27. What is the central angle (in degrees) representing stream E in the pie chart?

- (a) 38.67

- (b) 43.20
- (c) 45.56
- (d) 39.78
- (e) None of these

Q28. What is the ratio of the number of students in stream F to stream E?

- (a) 3:2
- (b) 6:1
- (c) None of these
- (d) 5:3
- (e) 11:4

Q29. How many students are NOT enrolled in stream C?

- (a) 2487
- (b) 2639
- (c) None of these
- (d) 2405
- (e) 2443

Q30. I. $x^2 - 2x - 99 = 0$ II. $y^2 + 21y + 108 = 0$. On solving both equations, find the relation between x and y.

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

Q31. I. $x^2 - 9x - 36 = 0$ II. $y^2 + 6y - 7 = 0$. On solving both equations, find the relation between x and y.

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

Q32-Q36. 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: 2016-490, 2017-520, 2018-680, 2019-840, 2020-350

Company B: 2016-410, 2017-670, 2018-220, 2019-600, 2020-360

Company C: 2016-380, 2017-840, 2018-290, 2019-700, 2020-250

Company D: 2016-500, 2017-300, 2018-700, 2019-890, 2020-400

Company E: 2016-490, 2017-550, 2018-310, 2019-640, 2020-860

Q32. What is the total number of employees (in hundreds) in Company C over all five years?

- (a) None of these
- (b) 2460
- (c) 2350
- (d) 2322
- (e) 2328

Q33. What is the difference between the number of employees in Company C and Company A in 2019?

- (a) 129
- (b) 110
- (c) 140
- (d) None of these
- (e) 127

Q34. Find the average number of employees (in hundreds) across all five companies in 2019.

- (a) 799.95
- (b) None of these
- (c) 672.55
- (d) 734
- (e) 815.22

Q35. What is the percentage change in the number of employees of Company C from 2019 to 2020?

- (a) -47.47
- (b) -58.42
- (c) None of these
- (d) -71.59
- (e) -64.29

Q36. What is the total number of employees (in hundreds) in Company B in 2019 and Company A in 2020 together?

- (a) None of these
- (b) 950
- (c) 1102
- (d) 1111
- (e) 883

Q37. $220 \times 8 \div 90 + \sqrt{144} - 155 \div 2 \approx ?$ (find the approximate value)

- (a) -48.81
- (b) -40.58
- (c) -45.94
- (d) -53.68
- (e) None of these

Q38. In a certain code language, 'Komal works hard' is written as '7 2 8' and 'Simran works daily' is written as '4 2 5'. What is the code for 'works' in this language?

- (a) 5
- (b) 2
- (c) 7
- (d) 4
- (e) 8

Q39. Naveen said, "Vikas's mother is the only daughter of my mother." How is Naveen related to Vikas?

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

Q40-Q44. Seven persons Deepak, Komal, Naveen, Neha, Rahul, Rajesh, Sonia sit in a row facing north, not necessarily in the same order. Naveen sits at the extreme left end. Deepak sits at the extreme right end. Rahul sits exactly in the middle of the row. Neha sits second from the left end. Rajesh sits to the immediate right of Neha. Komal sits second from the right end. Sonia sits between Rahul and Komal.

Q40. Who sits third from the left end?

- (a) Rajesh
- (b) Deepak
- (c) Naveen
- (d) Neha
- (e) Komal

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

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

Q42. Who sits immediate left of Rahul?

- (a) Sonia
- (b) Deepak
- (c) Naveen
- (d) Rahul
- (e) Rajesh

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

- (a) Komal
- (b) Deepak
- (c) Naveen
- (d) Rajesh
- (e) Neha

Q44. Who sits exactly between Rahul and Komal?

- (a) Neha
- (b) Naveen
- (c) Sonia
- (d) Rajesh
- (e) Rahul

Q45. $(4^4) - (6^3) + 32 \div 2 = ?$

- (a) 60.15
- (b) 53.51
- (c) 56
- (d) 51.91
- (e) None of these

Q46. Study the following sequence carefully and answer the question given below:

\$ @ 3 6 R % X L # 9 8 L #

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

Q47. Find the missing term: 4, 7, 20, 23, ?, 39

- (a) 31
- (b) 36
- (c) 30
- (d) 40
- (e) None of these

Q48. $275 \times 7 \div 20 + \sqrt{169} - 80 \div 2 \approx ?$ (find the approximate value)

- (a) 69.25
- (b) 83.03
- (c) None of these
- (d) 74.05
- (e) 81.10

Q49. In a class of 24 students, Rahul ranks 14th from the top. What is Rahul's rank from the bottom?

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

Q50. Meena said, "Anita's mother is the only daughter of my mother." How is Meena related to Anita?

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

Q51. Statement: $D < E > A < B$

Conclusions: I. $D > A$ II. $E > B$

- (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

Q52. Statements: All Chairs are Bottles. All Bottles are Doors. No Doors is Cups.

Conclusions: I. All Chairs are Doors. II. No Chairs is Cups. III. Some Bottles are not Cups.

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

Q53. Is the number x an even number?

I. x is completely divisible by 14.

II. x is completely divisible by 16.

- (a) Neither statement I nor II 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) Either statement I or II alone is sufficient

Q54. $115 \times 3 \div 40 + \sqrt{256} - 180 \div 5 \approx ?$ (find the approximate value)

- (a) -13.62
- (b) -9.20
- (c) None of these
- (d) -13.63
- (e) -11.38

Q55. Gaurav walks 6 km towards North, then turns right and walks 11 km. He then turns right again and walks 6 km. In which direction is Gaurav now with respect to his starting point?

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

Q56. Who is the tallest among Simran, Anita, Rohit, Payal and Gaurav?

I. Rohit is taller than Simran and Payal but shorter than Anita.

II. Gaurav is the tallest of all five.

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

Q57. In a certain code language, 'Rajesh works hard' is written as '6 1 5' and 'Meena works daily' is written as '8 1 9'. What is the code for 'works' in this language?

- (a) 5
- (b) 9
- (c) 8
- (d) 6
- (e) 1

Q58. I. $x^2 - 7x - 60 = 0$ II. $y^2 - 7y - 60 = 0$. On solving both equations, find the relation between x and y.

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

Q59. Find the simple interest on ₹7000 at 10% per annum for 3 years.

- (a) 2195.72
- (b) None of these
- (c) 2326.95
- (d) 2387.39
- (e) 2100

Q60. What is the area of a rectangle?

I. The length of the rectangle is 11 cm.

II. The perimeter of the rectangle is 32 cm.

- (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

Q61. Statement: $F = G < A < H$

Conclusions: I. $F = A$ II. $G < H$

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

Q62. Aman 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 Aman now with respect to his starting point?

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

Q63. Statement: $G = F = D > A$

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

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

Q64. I. $x^2 + 9x + 18 = 0$ II. $y^2 - 5y - 24 = 0$. 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) $x \leq y$
- (e) $x > y$

Q65. Who is the tallest among Priya, Manoj, Meena, Arjun and Rajesh?

I. Meena is taller than Priya and Arjun but shorter than Manoj.

II. Rajesh is the tallest of all five.

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

Q66. In a class of 35 students, Neha ranks 5th from the top. What is Neha's rank from the bottom?

- (a) 31

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

Q67. Find the missing term: 17, 20, 23, ?, 29, 32

- (a) 27
- (b) 20
- (c) 24
- (d) None of these
- (e) 26

Q68-Q72. Six persons Aman, Deepak, Kavita, Meena, Priya, Ritu sit around a circular table facing the centre, not necessarily in the same order. Ritu sits second to the right of Kavita. Aman sits third to the left of Kavita. Deepak sits immediate right of Aman. Priya sits between Ritu and Meena.

Q68. Who sits second to the right of Kavita?

- (a) Priya
- (b) Deepak
- (c) Aman
- (d) Ritu
- (e) Kavita

Q69. Who sits immediate right of Aman?

- (a) Aman
- (b) Ritu
- (c) Deepak
- (d) Kavita
- (e) Priya

Q70. Who sits between Ritu and Meena?

- (a) Deepak
- (b) Kavita
- (c) Priya
- (d) Aman
- (e) Meena

Q71. Who sits third to the left of Kavita?

- (a) Deepak
- (b) Aman
- (c) Ritu
- (d) Kavita
- (e) Meena

Q72. How many persons are seated around the table?

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

Q73. Find the missing term: 8, 15, ?, 29, 36, 43

- (a) 22
- (b) 21

- (c) 20
- (d) None of these
- (e) 24

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

Q % M 5 H & 0 6 % G 5 V #

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

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

Q75-Q79. Seven persons Anita, Ashok, Kavita, Komal, Rahul, Rohit, 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. Rohit lives on the lowest floor. Tarun lives on the topmost floor. Kavita lives exactly in the middle floor. Rahul lives immediately above Rohit. Ashok lives immediately above Rahul. Anita lives immediately below Tarun. Komal lives exactly between Kavita and Anita.

Q75. Who lives on the 3rd floor?

- (a) Rohit
- (b) Ashok
- (c) Rahul
- (d) Kavita
- (e) Tarun

Q76. How many persons live above the floor of Kavita?

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

Q77. Who lives immediately below Kavita?

- (a) Rohit
- (b) Kavita
- (c) Rahul
- (d) Ashok
- (e) Tarun

Q78. Who lives on the topmost floor?

- (a) Tarun
- (b) Anita
- (c) Rohit
- (d) Rahul
- (e) Komal

Q79. Who lives exactly between the floors of Kavita and Anita?

- (a) Rohit
- (b) Kavita
- (c) Komal
- (d) Tarun

(e) Ashok

Q80. Statements: All Mirrors are Cups. All Cups are Pens. No Pens is Tables.

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

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

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