

IBPS RRB PO 2021 Prelims Memory Based Paper PDF

Q1. Gaurav introduced Ashok as the son of the only brother of Gaurav's mother. How is Ashok related to Gaurav?

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

Q2. Suresh walks 9 km towards North, then turns left and walks 10 km. He then turns left again and walks 9 km. In which direction is Suresh now with respect to his starting point?

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

Q3. Study the following sequence carefully and answer the question given below:

C 5 & K H 9 X # 7 U 1 1 C

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

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

Q4. I. $x^2 - 17x + 72 = 0$ II. $y^2 - 17y + 72 = 0$. 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) $x \leq y$
- (e) $x \geq y$

Q5-Q9. 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: 2016-570, 2017-630, 2018-800, 2019-280, 2020-550

Company B: 2016-660, 2017-840, 2018-390, 2019-330, 2020-200

Company C: 2016-780, 2017-820, 2018-270, 2019-550, 2020-340

Company D: 2016-840, 2017-720, 2018-710, 2019-550, 2020-690

Company E: 2016-550, 2017-460, 2018-670, 2019-380, 2020-280

Q5. What is the total number of employees (in hundreds) in Company A over all five years?

- (a) 2987
- (b) 2977
- (c) 2830
- (d) None of these
- (e) 2521

Q6. What is the difference between the number of employees in Company A and Company E in 2019?

- (a) 100
- (b) 78
- (c) None of these
- (d) 120
- (e) 94

Q7. Find the average number of employees (in hundreds) across all five companies in 2019.

- (a) 449.41
- (b) 391.48
- (c) None of these
- (d) 470.51
- (e) 418

Q8. What is the percentage change in the number of employees of Company A from 2019 to 2020?

- (a) 88.12
- (b) 96.43
- (c) 124.46
- (d) 68.70
- (e) None of these

Q9. What is the total number of employees (in hundreds) in Company B in 2019 and Company E in 2020 together?

- (a) None of these
- (b) 513
- (c) 717
- (d) 673
- (e) 610

Q10. Find the simple interest on ₹6500 at 12% per annum for 4 years.

- (a) 2977.46
- (b) 2613.60
- (c) 3120
- (d) None of these
- (e) 3639.15

Q11. Find the missing term: 12, 17, 31, 36, 50, ?

- (a) 52
- (b) 44
- (c) 45
- (d) None of these
- (e) 55

Q12. Neha walks 10 km towards North, then turns right and walks 7 km. He then turns right again and walks 10 km. In which direction is Neha now with respect to his starting point?

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

Q13. What is the code for 'star' in a certain code language?

I. 'star is bright' is written as 'B P E'.

II. 'storm is bright' is written as 'C P E'.

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

Q14. $\sqrt{4 \times 40 - (11 \times 2) + 15} = ?$

- (a) None of these
- (b) 65.41
- (c) 63.56
- (d) 73
- (e) 70.20

Q15. Study the following sequence carefully and answer the question given below:

W J V Y 9 8 1 Z 0 Y 9 4 E

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) 1
- (c) 2
- (d) 3
- (e) 0

Q16. $280 \times 7 \div 20 + \sqrt{144} - 235 \div 5 \approx ?$ (find the approximate value)

- (a) 67.56
- (b) 52.24
- (c) 63
- (d) None of these
- (e) 52.68

Q17. Is the number x an even number?

I. x is completely divisible by 18.

II. x is completely divisible by 16.

- (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

Q18. Two numbers are in the ratio 2:6 and their sum is 568. Find the larger number.

- (a) 403.93
- (b) 458.89
- (c) None of these
- (d) 426
- (e) 399.70

Q19. Statement: $E = A = F = H$

Conclusions: I. $E = F$ II. $A = H$

- (a) Only conclusion I follows
- (b) Either I or II follows
- (c) Both conclusions I and II follow

- (d) Neither I nor II follows
- (e) Only conclusion II follows

Q20. Suresh said, "Meena's mother is the only daughter of my mother." How is Suresh related to Meena?

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

Q21. Is the number x an even number?

I. x is completely divisible by 12.

II. x is completely divisible by 18.

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

Q22. Is the number x an even number?

I. x is completely divisible by 10.

II. x is completely divisible by 16.

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

Q23. $(9^2) - (6^3) + 28 \div 5 = ?$

- (a) None of these
- (b) -137.41
- (c) -115.99
- (d) -118.09
- (e) -129.40

Q24. I. $x^2 + 8x - 9 = 0$ II. $y^2 - 3y - 10 = 0$. On solving both equations, find the relation between x and y .

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

Q25. $155 \times 5 \div 20 + \sqrt{144} - 90 \div 5 \approx ?$ (find the approximate value)

- (a) 35.42
- (b) None of these
- (c) 32.75
- (d) 29.36
- (e) 28.28

Q26. Statements: No Cups is Tables. Some Tables are Mirrors. All Mirrors are Pens.

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

- (a) Only I and III follow

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

Q27. What is the area of a rectangle?

- I. The length of the rectangle is 10 cm.
- II. The perimeter of the rectangle is 34 cm.

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

Q28. Find the missing term: 15, 19, 23, ?, 31, 35

- (a) 27
- (b) 32
- (c) 31
- (d) 28
- (e) None of these

Q29. In a class of 27 students, Suresh ranks 13th from the top. What is Suresh's rank from the bottom?

- (a) 18
- (b) 12
- (c) None of these
- (d) 15
- (e) 17

Q30. In a certain code language, 'Ritu works hard' is written as '1 8 4' and 'Sanjay works daily' is written as '7 8 6'. What is the code for 'works' in this language?

- (a) 4
- (b) 1
- (c) 7
- (d) 8
- (e) 6

Q31. Find the compound interest on ₹18000 at 5% per annum for 2 years, compounded annually.

- (a) 1845
- (b) None of these
- (c) 1670.36
- (d) 1560.58
- (e) 1710.47

Q32. $120 \times 6 \div 25 + \sqrt{225} - 215 \div 5 \approx ?$ (find the approximate value)

- (a) 0.64
- (b) 0.85
- (c) 0.92
- (d) 0.80
- (e) None of these

Q33. Statements: All Cups are Doors. All Doors are Pens. No Pens is Tables.

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

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

Q34. Find the missing term: 4, 12, ?, 108, 324, 972

- (a) 43
- (b) None of these
- (c) 39
- (d) 41
- (e) 36

Q35. Who is the tallest among Sonia, Vikas, Deepak, Ashok and Neha?

I. Deepak is taller than Sonia and Ashok but shorter than Vikas.

II. Neha is the tallest of all five.

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

Q36. Statements: Some Books are Doors. No Doors is Pens. All Pens are Windows.

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

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

Q37. Two varieties of rice costing ₹48/kg and ₹122/kg are mixed in the ratio 3:5. Find the average cost of the mixture per kg (in ₹).

- (a) None of these
- (b) 106.54
- (c) 94.25
- (d) 106.14
- (e) 99.59

Q38. In a certain code language, 'Sonia works hard' is written as '3 5 8' and 'Anita works daily' is written as '1 5 2'. What is the code for 'works' in this language?

- (a) 3
- (b) 5
- (c) 2
- (d) 1
- (e) 8

Q39. Who is the tallest among Arjun, Meena, Ashok, Payal and Sonia?

I. Ashok is taller than Arjun and Payal but shorter than Meena.

II. Sonia is the tallest of all five.

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

Q40. I. $x^2 + 4x - 96 = 0$ II. $y^2 + 5y - 84 = 0$. 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) $x > y$
- (e) $x \geq y$

Q41. Statement: $D < C = G = A$

Conclusions: I. $D = G$ II. $C = A$

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

Q42. Vivek introduced Suresh as the son of the only brother of Vivek's mother. How is Suresh related to Vivek?

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

Q43. In a class of 24 students, Priya ranks 5th from the top. What is Priya's rank from the bottom?

- (a) 22
- (b) 17
- (c) 20
- (d) None of these
- (e) 23

Q44. Suresh walks 14 km towards North, then turns right and walks 14 km. He then turns right again and walks 14 km. In which direction is Suresh now with respect to his starting point?

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

Q45-Q49. The pie chart below shows the percentage distribution of 7300 students enrolled across six streams A, B, C, D, E, F. Study it and answer the questions that follow.

A: 19%, B: 10%, C: 9%, D: 19%, E: 16%, F: 27%

Q45. How many students are enrolled in stream F?

- (a) 1752
- (b) None of these
- (c) 1971
- (d) 1717
- (e) 1881

Q46. What is the difference between the number of students in stream E and stream B?

- (a) 344
- (b) None of these
- (c) 400
- (d) 523
- (e) 438

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

- (a) 68.40
- (b) None of these
- (c) 73.35
- (d) 62.91
- (e) 75.49

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

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

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

- (a) None of these
- (b) 5913
- (c) 6363
- (d) 5179
- (e) 5545

Q50. Who is the tallest among Vikas, Naveen, Ritu, Payal and Anita?

I. Ritu is taller than Vikas and Payal but shorter than Naveen.

II. Anita is the tallest of all five.

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

Q51. $\sqrt{64} \times 31 - (9 \times 3) + 18 = ?$

- (a) 262.78
- (b) 221.10
- (c) 239
- (d) 222.05
- (e) None of these

Q52. Statement: $D > A = G > B$

Conclusions: I. $D > G$ II. $A = B$

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

Q53-Q57. Seven persons Ashok, Kiran, Neha, Rahul, Rohit, Vikas, 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. Kiran lives on the lowest floor. Neha lives on the topmost floor. Rahul lives exactly in the middle floor. Rohit lives immediately above Kiran. Ashok lives immediately above Rohit. Vikas lives immediately below Neha. Vivek lives exactly between Rahul and Vikas.

Q53. Who lives on the 3rd floor?

- (a) Vikas
- (b) Kiran
- (c) Ashok
- (d) Rahul
- (e) Vivek

Q54. How many persons live above the floor of Rahul?

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

Q55. Who lives immediately below Rahul?

- (a) Vikas
- (b) Neha
- (c) Ashok
- (d) Vivek
- (e) Rohit

Q56. Who lives on the topmost floor?

- (a) Ashok
- (b) Neha
- (c) Vivek
- (d) Rahul
- (e) Kiran

Q57. Who lives exactly between the floors of Rahul and Vikas?

- (a) Rohit
- (b) Rahul
- (c) Kiran
- (d) Vivek
- (e) Vikas

Q58. I. $x^2 + 6x + 5 = 0$ II. $y^2 - 5y - 50 = 0$. 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) $x < y$

Q59. In a class of 32 students, Pooja ranks 16th from the top. What is Pooja's rank from the bottom?

- (a) None of these
- (b) 13
- (c) 17
- (d) 15

(e) 19

Q60. Find the missing term: 20, 25, 32, 41, ?, 65

- (a) 61
- (b) 47
- (c) 52
- (d) 44
- (e) None of these

Q61. $380 \times 8 \div 70 + \sqrt{196} - 170 \div 5 \approx ?$ (find the approximate value)

- (a) 20.02
- (b) 26.18
- (c) 23.43
- (d) 19.32
- (e) None of these

Q62. In a certain code language, 'Manoj works hard' is written as '3 4 6' and 'Simran works daily' is written as '5 4 9'. What is the code for 'works' in this language?

- (a) 3
- (b) 9
- (c) 5
- (d) 6
- (e) 4

Q63-Q67. Six persons Ashok, Komal, Pooja, Rahul, Sanjay, Simran sit around a circular table facing the centre, not necessarily in the same order. Rahul sits second to the right of Sanjay. Ashok sits third to the left of Sanjay. Komal sits immediate right of Ashok. Pooja sits between Rahul and Simran.

Q63. Who sits second to the right of Sanjay?

- (a) Rahul
- (b) Komal
- (c) Pooja
- (d) Simran
- (e) Ashok

Q64. Who sits immediate right of Ashok?

- (a) Pooja
- (b) Ashok
- (c) Komal
- (d) Rahul
- (e) Sanjay

Q65. Who sits between Rahul and Simran?

- (a) Sanjay
- (b) Rahul
- (c) Simran
- (d) Pooja
- (e) Ashok

Q66. Who sits third to the left of Sanjay?

- (a) Pooja
- (b) Sanjay
- (c) Komal
- (d) Simran

(e) Ashok

Q67. How many persons are seated around the table?

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

Q68-Q72. 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-270, Feb-205, Mar-125, Apr-270, May-185, Jun-100

Product Q: Jan-155, Feb-215, Mar-105, Apr-115, May-285, Jun-290

Q68. What is the total number of units (in tens) of products P and Q sold together in Feb?

- (a) 465
- (b) None of these
- (c) 420
- (d) 377
- (e) 369

Q69. What is the difference in units sold between Product P and Product Q in May?

- (a) -113
- (b) -100
- (c) None of these
- (d) -123
- (e) -116

Q70. Find the average monthly sale (in tens) of Product P over the six months.

- (a) 192.50
- (b) 166.31
- (c) 226.34
- (d) 171.23
- (e) None of these

Q71. What is the total number of units (in tens) of Product Q sold over all six months?

- (a) 1048
- (b) None of these
- (c) 1165
- (d) 1123
- (e) 1235

Q72. What is the ratio of units sold of Product P to Product Q in Mar?

- (a) 11:10
- (b) 26:19
- (c) 28:19
- (d) 25:21
- (e) None of these

Q73. I. $x^2 + 9x - 22 = 0$ II. $y^2 - 16y + 48 = 0$. On solving both equations, find the relation between x and y.

- (a) $x \leq y$
- (b) $x < y$
- (c) $x > y$

- (d) $x \geq y$
- (e) $x = y$ or relationship cannot be established

Q74. $[(33 \times 6) \div 4 - 14] \times 5 \div 21 + (6 - 4) = ?$

- (a) 10.07
- (b) None of these
- (c) 9.11
- (d) 10.45
- (e) 9.14

Q75. Study the following sequence carefully and answer the question given below:
Y B A G 2 3 B 0 4 Z 0 8 &

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

Q76-Q80. Seven persons Gaurav, Neha, Rajesh, Simran, Suresh, Tarun, Vikas sit in a row facing north, not necessarily in the same order. Tarun sits at the extreme left end. Simran sits at the extreme right end. Vikas sits exactly in the middle of the row. Neha sits second from the left end. Rajesh sits to the immediate right of Neha. Suresh sits second from the right end. Gaurav sits between Vikas and Suresh.

Q76. Who sits third from the left end?

- (a) Simran
- (b) Vikas
- (c) Neha
- (d) Suresh
- (e) Rajesh

Q77. How many persons sit to the right of Vikas?

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

Q78. Who sits immediate left of Vikas?

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

Q79. Which of the following sits at the extreme right end of the row?

- (a) Gaurav
- (b) Suresh
- (c) Rajesh
- (d) Tarun
- (e) Simran

Q80. Who sits exactly between Vikas and Suresh?

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

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