

IBPS RRB PO 2018 Prelims Memory Based Paper PDF

Q1. I. $x^2 + 16x + 48 = 0$ II. $y^2 - 4 = 0$. 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

Q2. Who is the tallest among Ritu, Aman, Sonia, Priya and Sanjay?

I. Sonia is taller than Ritu and Priya but shorter than Aman.

II. Sanjay is the tallest of all five.

- (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

Q3. What is the code for 'moon' in a certain code language?

I. 'moon is bright' is written as 'G L D'.

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

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

Q4. Pointing to a photograph, Neha said, "Rahul is the son of my father's only son." How is Rahul related to Neha?

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

Q5. Statements: No Books is Chairs. Some Chairs are Windows. All Windows are Doors.
Conclusions: I. Some Windows are not Books. II. Some Doors are Chairs. III. No Books is Doors.

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

Q6. I. $x^2 + 19x + 88 = 0$ II. $y^2 - 15y + 56 = 0$. 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) $x < y$

Q7-Q11. 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-260, Feb-130, Mar-175, Apr-90, May-205, Jun-160

Product Q: Jan-75, Feb-150, Mar-240, Apr-120, May-230, Jun-230

Q7. What is the total number of units (in tens) of products P and Q sold together in Feb?

- (a) 313
- (b) None of these
- (c) 311
- (d) 280
- (e) 250

Q8. What is the difference in units sold between Product P and Product Q in Jan?

- (a) None of these
- (b) 228
- (c) 185
- (d) 169
- (e) 160

Q9. Find the average monthly sale (in tens) of Product P over the six months.

- (a) None of these
- (b) 170
- (c) 189.80
- (d) 148.82
- (e) 143.76

Q10. What is the total number of units (in tens) of Product Q sold over all six months?

- (a) 1098
- (b) None of these
- (c) 1130
- (d) 983
- (e) 1045

Q11. What is the ratio of units sold of Product P to Product Q in Apr?

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

Q12. $320 \times 7 \div 45 + \sqrt{144} - 90 \div 2 \approx ?$ (find the approximate value)

- (a) None of these
- (b) 16.78
- (c) 15.89
- (d) 17.84
- (e) 13.95

Q13. In a class of 37 students, Rajesh ranks 20th from the top. What is Rajesh's rank from the bottom?

- (a) 21
- (b) 22
- (c) 16
- (d) None of these

(e) 18

Q14. $\sqrt{121} \times 37 - (8 \times 6) + 30 = ?$

- (a) None of these
- (b) 402.67
- (c) 351.27
- (d) 339.82
- (e) 389

Q15. What is the code for 'star' in a certain code language?

I. 'star is bright' is written as 'P M C'.

II. 'cloud is bright' is written as 'J M C'.

- (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

Q16. Pointing to a photograph, Naveen said, "Anita is the son of my father's only son." How is Anita related to Naveen?

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

Q17. Study the following sequence carefully and answer the question given below:

0 7 3 N # 6 1 6 2 2 0 H 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) 1
- (c) 2
- (d) 3
- (e) None of these

Q18. $185 \times 6 \div 45 + \sqrt{144} - 195 \div 2 \approx ?$ (find the approximate value)

- (a) -72.49
- (b) -57.44
- (c) -60.83
- (d) -64.81
- (e) None of these

Q19. $120 \times 8 \div 65 + \sqrt{144} - 80 \div 2 \approx ?$ (find the approximate value)

- (a) None of these
- (b) -12.17
- (c) -13.23
- (d) -15.77
- (e) -12.39

Q20-Q24. The pie chart below shows the percentage distribution of 6300 students enrolled across six streams A, B, C, D, E, F. Study it and answer the questions that follow.

A: 9%, B: 22%, C: 14%, D: 15%, E: 21%, F: 19%

Q20. How many students are enrolled in stream D?

- (a) 945
- (b) 983
- (c) 827
- (d) None of these
- (e) 1003

Q21. What is the difference between the number of students in stream E and stream C?

- (a) 346
- (b) None of these
- (c) 508
- (d) 380
- (e) 441

Q22. What is the central angle (in degrees) representing stream E in the pie chart?

- (a) 72.08
- (b) 68.56
- (c) 75.60
- (d) None of these
- (e) 70.06

Q23. What is the ratio of the number of students in stream E to stream F?

- (a) None of these
- (b) 23:20
- (c) 10:9
- (d) 19:18
- (e) 21:19

Q24. How many students are NOT enrolled in stream D?

- (a) None of these
- (b) 5983
- (c) 6061
- (d) 5355
- (e) 4891

Q25. Find the missing term: 10, 30, 90, 270, ?, 2430

- (a) 810
- (b) 945
- (c) 754
- (d) None of these
- (e) 691

Q26. Statement: $E < F > B > D$

Conclusions: I. $E = B$ II. $F > D$

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

Q27. Statements: No Tables is Cups. Some Cups are Bottles. All Bottles are Lamps.

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

- (a) Only I and II follow

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

Q28. Anita walks 5 km towards North, then turns left and walks 10 km. He then turns left again and walks 5 km. In which direction is Anita now with respect to his starting point?

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

Q29. Find the missing term: 9, 27, ?, 243, 729, 2187

- (a) 81
- (b) 68
- (c) None of these
- (d) 93
- (e) 71

Q30. Statement: $A = E > H = C$

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

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

Q31-Q35. 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, 2017-840, 2018-200, 2019-380, 2020-470

Company B: 2016-240, 2017-510, 2018-530, 2019-430, 2020-210

Company C: 2016-670, 2017-350, 2018-480, 2019-770, 2020-450

Company D: 2016-800, 2017-790, 2018-330, 2019-370, 2020-490

Company E: 2016-740, 2017-810, 2018-330, 2019-650, 2020-340

Q31. What is the total number of employees (in hundreds) in Company E over all five years?

- (a) 2787
- (b) 2738
- (c) None of these
- (d) 2699
- (e) 2870

Q32. What is the difference between the number of employees in Company E and Company D in 2017?

- (a) None of these
- (b) 23
- (c) 18
- (d) 24
- (e) 20

Q33. Find the average number of employees (in hundreds) across all five companies in 2017.

- (a) 559.91
- (b) 660
- (c) 560.77
- (d) 548.77
- (e) None of these

Q34. What is the percentage change in the number of employees of Company E from 2017 to 2020?

- (a) None of these
- (b) -58.02
- (c) -65.86
- (d) -41.78
- (e) -52.74

Q35. What is the total number of employees (in hundreds) in Company A in 2017 and Company D in 2020 together?

- (a) 1330
- (b) 1418
- (c) None of these
- (d) 1444
- (e) 1260

Q36. Deepak walks 8 km towards North, then turns left and walks 15 km. He then turns left again and walks 8 km. In which direction is Deepak now with respect to his starting point?

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

Q37. Statement: $D < A = E < B$

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

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

Q38. Nisha said, "Vikas's mother is the only daughter of my mother." How is Nisha related to Vikas?

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

Q39. Study the following sequence carefully and answer the question given below:

V 9 A 2 % 7 6 # E 8 % T R

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

Q40. What is the area of a rectangle?

- I. The length of the rectangle is 14 cm.
 - II. The perimeter of the rectangle is 52 cm.
- (a) Only statement II alone 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) Neither statement I nor II is sufficient

Q41-Q45. Seven persons Arjun, Manoj, Nisha, Pooja, Rahul, Sanjay, Simran 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. Pooja lives on the lowest floor. Nisha lives on the topmost floor. Sanjay lives exactly in the middle floor. Arjun lives immediately above Pooja. Rahul lives immediately above Arjun. Simran lives immediately below Nisha. Manoj lives exactly between Sanjay and Simran.

Q41. Who lives on the 3rd floor?

- (a) Manoj
- (b) Rahul
- (c) Sanjay
- (d) Arjun
- (e) Pooja

Q42. How many persons live above the floor of Sanjay?

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

Q43. Who lives immediately below Sanjay?

- (a) Nisha
- (b) Simran
- (c) Manoj
- (d) Sanjay
- (e) Rahul

Q44. Who lives on the topmost floor?

- (a) Nisha
- (b) Rahul
- (c) Sanjay
- (d) Simran
- (e) Manoj

Q45. Who lives exactly between the floors of Sanjay and Simran?

- (a) Manoj
- (b) Simran
- (c) Pooja
- (d) Rahul

(e) Arjun

Q46. What is the code for 'sky' in a certain code language?

I. 'sky is bright' is written as 'K J H'.

II. 'sun is bright' is written as 'U J H'.

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

Q47. Neha walks 10 km towards North, then turns right and walks 11 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) North
- (c) West
- (d) South
- (e) East

Q48. $(8^2) - (6^3) + 15 \div 5 = ?$

- (a) -142.90
- (b) None of these
- (c) -155.76
- (d) -149
- (e) -130.30

Q49. $270 \times 5 \div 90 + \sqrt{144} - 205 \div 5 \approx ?$ (find the approximate value)

- (a) -15.81
- (b) None of these
- (c) -16.56
- (d) -12.16
- (e) -14

Q50-Q54. Seven persons Aman, Komal, Pooja, Rohit, Simran, Suresh, Tarun sit in a row facing north, not necessarily in the same order. Komal sits at the extreme left end. Rohit sits at the extreme right end. Suresh sits exactly in the middle of the row. Aman sits second from the left end. Tarun sits to the immediate right of Aman. Pooja sits second from the right end. Simran sits between Suresh and Pooja.

Q50. Who sits third from the left end?

- (a) Simran
- (b) Pooja
- (c) Rohit
- (d) Aman
- (e) Tarun

Q51. How many persons sit to the right of Suresh?

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

Q52. Who sits immediate left of Suresh?

- (a) Suresh
- (b) Tarun
- (c) Pooja
- (d) Simran
- (e) Komal

Q53. Which of the following sits at the extreme right end of the row?

- (a) Simran
- (b) Suresh
- (c) Rohit
- (d) Tarun
- (e) Aman

Q54. Who sits exactly between Suresh and Pooja?

- (a) Tarun
- (b) Komal
- (c) Simran
- (d) Aman
- (e) Rohit

Q55. Find the simple interest on ₹12000 at 12% per annum for 2 years.

- (a) 3028.47
- (b) 2880
- (c) None of these
- (d) 3362.76
- (e) 2652.07

Q56. In a certain code language, 'Rajesh works hard' is written as '7 2 9' and 'Priya works daily' is written as '8 2 4'. What is the code for 'works' in this language?

- (a) 8
- (b) 4
- (c) 2
- (d) 9
- (e) 7

Q57. I. $x^2 - 2x + 0 = 0$ II. $y^2 + 7y + 10 = 0$. 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) $x < y$

Q58. Statements: Some Chairs are Doors. No Doors is Mirrors. All Mirrors are Books.

Conclusions: I. No Chairs is Mirrors. II. Some Chairs are not Mirrors. III. Some Books are not Doors.

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

Q59. In a certain code language, 'Divya works hard' is written as '9 2 7' and 'Vivek works daily' is written as '4 2 5'. What is the code for 'works' in this language?

- (a) 5
- (b) 9
- (c) 2
- (d) 4
- (e) 7

Q60. Study the following sequence carefully and answer the question given below:

2 G R F V T X Q 6 1 K \$ M

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

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

Q61. Find the missing term: 15, 30, ?, 120, 240, 480

- (a) 49
- (b) 54
- (c) None of these
- (d) 60
- (e) 67

Q62. Find the missing term: 8, 10, 26, 28, 44, ?

- (a) 50
- (b) 46
- (c) 53
- (d) None of these
- (e) 56

Q63. What is the area of a rectangle?

I. The length of the rectangle is 17 cm.

II. The perimeter of the rectangle is 44 cm.

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

Q64. Two numbers are in the ratio 2:3 and their sum is 265. Find the larger number.

- (a) None of these
- (b) 179.47
- (c) 159
- (d) 142.82
- (e) 150.86

Q65. Is the number x an even number?

I. x is completely divisible by 8.

II. x is completely divisible by 14.

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

Q66. I. $x^2 + 17x + 66 = 0$ II. $y^2 - 49 = 0$. 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) $x > y$
- (e) $x \leq y$

Q67. Is the number x an even number?

I. x is completely divisible by 20.

II. x is completely divisible by 14.

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

Q68. In a certain code language, 'Rohit works hard' is written as '6 3 8' and 'Pooja works daily' is written as '5 3 4'. What is the code for 'works' in this language?

- (a) 4
- (b) 8
- (c) 3
- (d) 6
- (e) 5

Q69. I. $x^2 + 9x + 8 = 0$ II. $y^2 + 8y - 48 = 0$. On solving both equations, find the relation between x and y .

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

Q70. $53 \times (9/9) + (6/2) \times 13 = ?$

- (a) 97.77
- (b) 81.78
- (c) None of these
- (d) 102.85
- (e) 92

Q71-Q75. Six persons Aman, Arjun, Ashok, Kiran, Manoj, Rahul sit around a circular table facing the centre, not necessarily in the same order. Ashok sits second to the right of Manoj. Kiran sits third to the left of Manoj. Arjun sits immediate right of Kiran. Rahul sits between Ashok and Aman.

Q71. Who sits second to the right of Manoj?

- (a) Manoj
- (b) Ashok
- (c) Kiran
- (d) Aman
- (e) Rahul

Q72. Who sits immediate right of Kiran?

- (a) Ashok

- (b) Arjun
- (c) Kiran
- (d) Rahul
- (e) Manoj

Q73. Who sits between Ashok and Aman?

- (a) Manoj
- (b) Rahul
- (c) Aman
- (d) Arjun
- (e) Kiran

Q74. Who sits third to the left of Manoj?

- (a) Rahul
- (b) Manoj
- (c) Ashok
- (d) Aman
- (e) Kiran

Q75. How many persons are seated around the table?

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

Q76. $(6^4) - (3^2) + 12 \div 4 = ?$

- (a) 1290
- (b) None of these
- (c) 1367.92
- (d) 1448.45
- (e) 1210.84

Q77. Find the average of the following numbers: 81, 45, 25, 23, 77.

- (a) 44.78
- (b) None of these
- (c) 50.20
- (d) 54.49
- (e) 45.53

Q78. A train covers 250 km at a speed of 50 km/hr. Find the time taken (in hours).

- (a) 5.33
- (b) 4.79
- (c) 5
- (d) 4.45
- (e) None of these

Q79. In a class of 22 students, Rahul ranks 7th from the top. What is Rahul's rank from the bottom?

- (a) None of these
- (b) 14
- (c) 13
- (d) 16
- (e) 19

Q80. In a class of 23 students, Isha ranks 17th from the top. What is Isha's rank from the bottom?

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

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