

IBPS RRB PO 2020 Prelims Memory Based Paper PDF

Q1. Statement: $B = G = A = F$

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

- (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

Q2. Find the average of the following numbers: 81, 90, 35, 87, 65.

- (a) 83.05
- (b) None of these
- (c) 71.60
- (d) 68.57
- (e) 62.29

Q3-Q7. Six persons Deepak, Divya, Isha, Naveen, Neha, Rahul sit around a circular table facing the centre, not necessarily in the same order. Neha sits second to the right of Deepak. Isha sits third to the left of Deepak. Divya sits immediate right of Isha. Rahul sits between Neha and Naveen.

Q3. Who sits second to the right of Deepak?

- (a) Isha
- (b) Rahul
- (c) Naveen
- (d) Neha
- (e) Divya

Q4. Who sits immediate right of Isha?

- (a) Isha
- (b) Rahul
- (c) Deepak
- (d) Neha
- (e) Divya

Q5. Who sits between Neha and Naveen?

- (a) Rahul
- (b) Divya
- (c) Neha
- (d) Deepak
- (e) Naveen

Q6. Who sits third to the left of Deepak?

- (a) Neha
- (b) Rahul
- (c) Deepak
- (d) Divya
- (e) Isha

Q7. How many persons are seated around the table?

- (a) 7
- (b) 4
- (c) 8

- (d) 5
- (e) 6

Q8. Vikas introduced Divya as the son of the only brother of Vikas's mother. How is Divya related to Vikas?

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

Q9. Who is the tallest among Arjun, Ritu, Komal, Meena and Rajesh?

I. Komal is taller than Arjun and Meena but shorter than Ritu.

II. Rajesh is the tallest of all five.

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

Q10. $[(17 \times 14) \div 7 - 11] \times 8 \div 18 + (14 - 7) = ?$

- (a) 15.81
- (b) None of these
- (c) 18.76
- (d) 17.97
- (e) 17.22

Q11. Study the following sequence carefully and answer the question given below:

A 8 S T 7 J 2 3 0 J 8 \$ 9

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

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

Q12. $\sqrt{36} \times 19 - (7 \times 3) + 17 = ?$

- (a) 104.58
- (b) 124.07
- (c) None of these
- (d) 119.26
- (e) 110

Q13. Is the number x an even number?

I. x is completely divisible by 16.

II. x is completely divisible by 14.

- (a) Only statement II 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 I alone is sufficient

Q14. Statement: $C = F < B = D$

Conclusions: I. $C > B$ II. $F < D$

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

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

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

Q16. Rohit walks 15 km towards North, then turns right and walks 10 km. He then turns right again and walks 15 km. In which direction is Rohit now with respect to his starting point?

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

Q17. A shopkeeper bought an article for ₹1580 and sold it at a profit of 10%. Find the selling price.

- (a) 1849.79
- (b) None of these
- (c) 1738
- (d) 1914.85
- (e) 1957.31

Q18. Statements: No Lamps is Books. Some Books are Windows. All Windows are Cups.
Conclusions: I. Some Windows are not Lamps. II. Some Cups are Books. III. No Lamps is Cups.

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

Q19. Statements: No Chairs is Doors. Some Doors are Lamps. All Lamps are Windows.
Conclusions: I. Some Lamps are not Chairs. II. Some Windows are Doors. III. No Chairs is Windows.

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

Q20. Divya walks 10 km towards North, then turns right and walks 5 km. He then turns right again and walks 10 km. In which direction is Divya now with respect to his starting point?

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

Q21. I. $x^2 + 9x + 20 = 0$ II. $y^2 - 13y + 40 = 0$. 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

Q22. $160 \times 4 \div 80 + \sqrt{144} - 215 \div 5 \approx ?$ (find the approximate value)

- (a) -27.44
- (b) -24.25
- (c) -24.85
- (d) None of these
- (e) -23

Q23. In a class of 39 students, Simran ranks 29th from the top. What is Simran's rank from the bottom?

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

Q24. Who is the tallest among Kiran, Tarun, Suresh, Vikas and Ashok?

I. Suresh is taller than Kiran and Vikas but shorter than Tarun.

II. Ashok is the tallest of all five.

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

Q25. In a certain code language, 'Ritu works hard' is written as '6 2 3' and 'Meena works daily' is written as '7 2 4'. What is the code for 'works' in this language?

- (a) 4
- (b) 7
- (c) 6
- (d) 2
- (e) 3

Q26. I. $x^2 - 6x + 8 = 0$ II. $y^2 - 4y + 0 = 0$. On solving both equations, find the relation between x and y.

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

Q27. $(6^3) - (4^3) + 40 \div 5 = ?$

- (a) None of these
- (b) 152.41
- (c) 176.42
- (d) 168.29
- (e) 160

Q28-Q32. 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: 2016-810, 2017-490, 2018-710, 2019-240, 2020-300

Company B: 2016-520, 2017-480, 2018-890, 2019-680, 2020-390

Company C: 2016-640, 2017-670, 2018-630, 2019-230, 2020-550

Company D: 2016-610, 2017-260, 2018-220, 2019-330, 2020-300

Company E: 2016-410, 2017-640, 2018-530, 2019-880, 2020-800

Q28. What is the total number of employees (in hundreds) in Company C over all five years?

- (a) 2720
- (b) 2981
- (c) 2584
- (d) 2504
- (e) None of these

Q29. What is the difference between the number of employees in Company C and Company E in 2018?

- (a) 114
- (b) 115
- (c) 110
- (d) None of these
- (e) 100

Q30. Find the average number of employees (in hundreds) across all five companies in 2018.

- (a) None of these
- (b) 523.84
- (c) 650.02
- (d) 631.98
- (e) 596

Q31. What is the percentage change in the number of employees of Company C from 2018 to 2020?

- (a) -9.18
- (b) -9.11
- (c) -9.50
- (d) -12.70
- (e) None of these

Q32. What is the total number of employees (in hundreds) in Company B in 2018 and Company E in 2020 together?

- (a) 1772
- (b) 1778
- (c) None of these

- (d) 1545
- (e) 1690

Q33. Find the missing term: 17, 34, 68, ?, 272, 544

- (a) 143
- (b) None of these
- (c) 136
- (d) 114
- (e) 118

Q34-Q38. Seven persons Anita, Kavita, Komal, Payal, Sanjay, 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. Kavita lives on the lowest floor. Payal lives on the topmost floor. Sanjay lives exactly in the middle floor. Suresh lives immediately above Kavita. Anita lives immediately above Suresh. Tarun lives immediately below Payal. Komal lives exactly between Sanjay and Tarun.

Q34. Who lives on the 3rd floor?

- (a) Payal
- (b) Anita
- (c) Tarun
- (d) Sanjay
- (e) Suresh

Q35. How many persons live above the floor of Sanjay?

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

Q36. Who lives immediately below Sanjay?

- (a) Anita
- (b) Suresh
- (c) Komal
- (d) Tarun
- (e) Payal

Q37. Who lives on the topmost floor?

- (a) Anita
- (b) Payal
- (c) Komal
- (d) Suresh
- (e) Kavita

Q38. Who lives exactly between the floors of Sanjay and Tarun?

- (a) Komal
- (b) Payal
- (c) Tarun
- (d) Suresh
- (e) Sanjay

Q39. $245 \times 4 \div 50 + \sqrt{256} - 240 \div 5 \approx ?$ (find the approximate value)

- (a) -13.64
- (b) -10.51

- (c) None of these
- (d) -12.40
- (e) -11.09

Q40. $225 \times 6 \div 75 + \sqrt{225} - 55 \div 2 \approx ?$ (find the approximate value)

- (a) 6.59
- (b) 5.50
- (c) 4.35
- (d) 4.67
- (e) None of these

Q41. In a class of 38 students, Meena ranks 28th from the top. What is Meena's rank from the bottom?

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

Q42. In a class of 36 students, Kavita ranks 30th from the top. What is Kavita's rank from the bottom?

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

Q43. Vikas said, "Isha's mother is the only daughter of my mother." How is Vikas related to Isha?

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

Q44. I. $x^2 - 12x + 0 = 0$ II. $y^2 - 12y + 0 = 0$. 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) $x \geq y$
- (e) $x > y$

Q45. $26 \times (8/7) + (6/5) \times 17 = ?$

- (a) 50.11
- (b) 54.74
- (c) 47.89
- (d) 45.68
- (e) None of these

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

T 3 7 Q @ 1 9 2 * H 1 * 8

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

- (a) 2

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

Q47. I. $x^2 - 14x + 33 = 0$ II. $y^2 + 5y + 6 = 0$. On solving both equations, find the relation between x and y.

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

Q48. Statement: $G < E < H < B$
Conclusions: I. $G < H$ II. $E < B$

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

Q49. $445 \times 4 \div 35 + \sqrt{144} - 125 \div 2 \approx ?$ (find the approximate value)

- (a) None of these
- (b) 0.33
- (c) 0.31
- (d) 0.42
- (e) 0.36

Q50. Statements: Some Tables are Windows. No Windows is Books. All Books are Bottles.
Conclusions: I. No Tables is Books. II. Some Tables are not Books. III. Some Bottles are not Windows.

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

Q51. Who is the tallest among Vikas, Manoj, Ashok, Sonia and Aman?

- I. Ashok is taller than Vikas and Sonia but shorter than Manoj.
- II. Aman is the tallest of all five.

- (a) Only statement II 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 I alone is sufficient

Q52. Find the simple interest on ₹17500 at 12% per annum for 2 years.

- (a) 3718.41
- (b) None of these
- (c) 4200
- (d) 3839.74
- (e) 4575.81

Q53. In a certain code language, 'Vikas works hard' is written as '4 2 1' and 'Kavita works daily' is written as '6 2 3'. What is the code for 'works' in this language?

- (a) 2
- (b) 1
- (c) 6
- (d) 3
- (e) 4

Q54. I. $x^2 - 17x + 60 = 0$ II. $y^2 + 7y - 8 = 0$. On solving both equations, find the relation between x and y .

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

Q55-Q59. 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-275, Feb-150, Mar-155, Apr-275, May-245, Jun-280

Product Q: Jan-280, Feb-295, Mar-95, Apr-195, May-265, Jun-235

Q55. What is the total number of units (in tens) of products P and Q sold together in May?

- (a) 568
- (b) 481
- (c) 510
- (d) 479
- (e) None of these

Q56. What is the difference in units sold between Product P and Product Q in Apr?

- (a) 72
- (b) None of these
- (c) 104
- (d) 103
- (e) 80

Q57. Find the average monthly sale (in tens) of Product P over the six months.

- (a) None of these
- (b) 192.98
- (c) 230
- (d) 249.72
- (e) 263.61

Q58. What is the total number of units (in tens) of Product Q sold over all six months?

- (a) 1227
- (b) 1300
- (c) 1365
- (d) 1427
- (e) None of these

Q59. What is the ratio of units sold of Product P to Product Q in Jan?

- (a) 55:57
- (b) 55:58
- (c) 13:14

- (d) None of these
- (e) 55:56

Q60. Find the missing term: 16, 23, 30, 37, ?, 51

- (a) 41
- (b) 38
- (c) 47
- (d) None of these
- (e) 44

Q61. Find the missing term: 4, 8, ?, 16, 20, 24

- (a) None of these
- (b) 11
- (c) 12
- (d) 15
- (e) 13

Q62. What is the area of a rectangle?

- I. The length of the rectangle is 16 cm.
- II. The perimeter of the rectangle is 54 cm.

- (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

Q63-Q67. The pie chart below shows the percentage distribution of 5100 students enrolled across six streams A, B, C, D, E, F. Study it and answer the questions that follow.

A: 23%, B: 8%, C: 18%, D: 12%, E: 20%, F: 19%

Q63. How many students are enrolled in stream F?

- (a) 1071
- (b) 969
- (c) None of these
- (d) 1011
- (e) 1089

Q64. What is the difference between the number of students in stream D and stream E?

- (a) 408
- (b) 386
- (c) 460
- (d) 321
- (e) None of these

Q65. What is the central angle (in degrees) representing stream D in the pie chart?

- (a) 39.70
- (b) None of these
- (c) 40.63
- (d) 43.20
- (e) 44.96

Q66. What is the ratio of the number of students in stream B to stream A?

- (a) 7:23
- (b) 3:8

- (c) None of these
- (d) 8:23
- (e) 2:7

Q67. How many students are NOT enrolled in stream E?

- (a) 3890
- (b) 4581
- (c) 3592
- (d) 4080
- (e) None of these

Q68. In a certain code language, 'Anita works hard' is written as '1 3 9' and 'Manoj works daily' is written as '2 3 5'. What is the code for 'works' in this language?

- (a) 2
- (b) 5
- (c) 9
- (d) 3
- (e) 1

Q69. Who is the tallest among Ritu, Vikas, Kiran, Rahul and Pooja?

I. Kiran is taller than Ritu and Rahul but shorter than Vikas.

II. Pooja is the tallest of all five.

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

Q70. Is the number x an even number?

I. x is completely divisible by 10.

II. x is completely divisible by 4.

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

Q71. Find the missing term: 12, 24, 48, ?, 192, 384

- (a) 110
- (b) 109
- (c) 84
- (d) 96
- (e) None of these

Q72. Study the following sequence carefully and answer the question given below:

P Q 1 0 V L P 8 X 3 K 0 8

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

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

Q73. What is the area of a rectangle?

I. The length of the rectangle is 15 cm.

II. The perimeter of the rectangle is 38 cm.

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

Q74-Q78. Seven persons Anita, Divya, Isha, Rajesh, Rohit, Sanjay, Vivek sit in a row facing north, not necessarily in the same order. Sanjay sits at the extreme left end. Isha sits at the extreme right end. Rohit sits exactly in the middle of the row. Divya sits second from the left end. Rajesh sits to the immediate right of Divya. Anita sits second from the right end. Vivek sits between Rohit and Anita.

Q74. Who sits third from the left end?

- (a) Rajesh
- (b) Vivek
- (c) Anita
- (d) Sanjay
- (e) Divya

Q75. How many persons sit to the right of Rohit?

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

Q76. Who sits immediate left of Rohit?

- (a) Isha
- (b) Divya
- (c) Anita
- (d) Rajesh
- (e) Rohit

Q77. Which of the following sits at the extreme right end of the row?

- (a) Divya
- (b) Sanjay
- (c) Isha
- (d) Rajesh
- (e) Rohit

Q78. Who sits exactly between Rohit and Anita?

- (a) Isha
- (b) Vivek
- (c) Rohit
- (d) Rajesh
- (e) Anita

Q79. The speed of a boat in still water is 8 km/hr and the speed of the current is 2 km/hr. Find the time taken to cover 20 km downstream (in hours).

- (a) 2.29
- (b) 2

- (c) None of these
- (d) 1.74
- (e) 1.72

Q80. Rajesh walks 8 km towards North, then turns right and walks 6 km. He then turns right again and walks 8 km. In which direction is Rajesh now with respect to his starting point?

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