

IBPS RRB PO 2017 Prelims Memory Based Paper PDF

Q1. In a class of 25 students, Aman ranks 10th from the top. What is Aman's rank from the bottom?

- (a) 18
- (b) 14
- (c) None of these
- (d) 13
- (e) 16

Q2. I. $x^2 - 8x + 0 = 0$ II. $y^2 + 5y - 50 = 0$. 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) $x < y$

Q3. I. $x^2 - 2x - 63 = 0$ II. $y^2 - 19y + 90 = 0$. 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) $x < y$

Q4. Is the number x an even number?

I. x is completely divisible by 8.

II. x is completely divisible by 20.

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

Q5. $470 \times 7 \div 40 + \sqrt{196} - 160 \div 2 \approx ?$ (find the approximate value)

- (a) None of these
- (b) 13.56
- (c) 16.25
- (d) 12.85
- (e) 14.64

Q6. A and B invest ₹8000 and ₹26000 respectively in a business for the same period. If the total profit at the end of the year is ₹22500, find A's share of the profit (in ₹).

- (a) 4639.38
- (b) 5294.12
- (c) 5627.14
- (d) 4613.24
- (e) None of these

Q7. Statements: All Mirrors are Pens. All Pens are Bottles. No Bottles is Lamps.

Conclusions: I. All Mirrors are Bottles. II. No Mirrors is Lamps. III. Some Pens are not Lamps.

- (a) All I, II and III follow

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

Q8. $205 \times 9 \div 30 + \sqrt{144} - 225 \div 5 \approx ?$ (find the approximate value)

- (a) 23.66
- (b) 23.83
- (c) None of these
- (d) 28.50
- (e) 32.99

Q9. In a certain code language, 'Kavita works hard' is written as '2 7 1' and 'Naveen works daily' is written as '5 7 9'. What is the code for 'works' in this language?

- (a) 5
- (b) 2
- (c) 9
- (d) 7
- (e) 1

Q10. Find the missing term: 15, 30, 60, 120, 240, ?

- (a) None of these
- (b) 480
- (c) 429
- (d) 511
- (e) 437

Q11. In a class of 35 students, Vivek ranks 20th from the top. What is Vivek's rank from the bottom?

- (a) 16
- (b) 14
- (c) 13
- (d) None of these
- (e) 18

Q12. What is the code for 'sun' in a certain code language?

I. 'sun is bright' is written as 'T Y J'.

II. 'star is bright' is written as 'K Y J'.

- (a) Only statement II alone is sufficient
- (b) Neither statement I nor II 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. Statements: All Tables are Windows. All Windows are Doors. No Doors is Bottles.
Conclusions: I. All Tables are Doors. II. No Tables is Bottles. III. Some Windows are not Bottles.

- (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

Q14. Anita walks 9 km towards North, then turns right and walks 14 km. He then turns right again and walks 9 km. In which direction is Anita now with respect to his starting point?

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

Q15. Neha walks 5 km towards North, then turns right and walks 13 km. He then turns right again and walks 5 km. In which direction is Neha now with respect to his starting point?

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

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-190, Feb-125, Mar-170, Apr-110, May-255, Jun-75

Product Q: Jan-210, Feb-60, Mar-175, Apr-95, May-235, Jun-155

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

- (a) 230
- (b) 255
- (c) 242
- (d) 241
- (e) None of these

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

- (a) -22
- (b) -20
- (c) None of these
- (d) -16
- (e) -25

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

- (a) 130.43
- (b) 146.98
- (c) 147.42
- (d) 154.17
- (e) None of these

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

- (a) 869
- (b) 930
- (c) None of these
- (d) 1023
- (e) 955

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

- (a) 19:21

- (b) 17:19
- (c) None of these
- (d) 10:11
- (e) 20:21

Q21. Study the following sequence carefully and answer the question given below:

4 * % 1 N 5 5 A 2 5 2 6 5

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

- (a) 2
- (b) 0
- (c) None of these
- (d) 1
- (e) 5

Q22. $(9^2) - (9^3) + 10 \div 4 = ?$

- (a) None of these
- (b) -706.30
- (c) -670.83
- (d) -601.95
- (e) -645.50

Q23. What is the code for 'moon' in a certain code language?

I. 'moon is bright' is written as 'S L F'.

II. 'cloud is bright' is written as 'H L F'.

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

Q24. Who is the tallest among Pooja, Naveen, Suresh, Rohit and Komal?

I. Suresh is taller than Pooja and Rohit but shorter than Naveen.

II. Komal is the tallest of all five.

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

Q25. In a certain code language, 'Naveen works hard' is written as '1 7 8' and 'Sanjay works daily' is written as '5 7 4'. What is the code for 'works' in this language?

- (a) 7
- (b) 4
- (c) 5
- (d) 8
- (e) 1

Q26. Find the simple interest on ₹13000 at 12% per annum for 2 years.

- (a) 3632.96
- (b) 3120
- (c) 3556.26
- (d) None of these
- (e) 3322.87

Q27. Payal walks 11 km towards North, then turns left and walks 7 km. He then turns left again and walks 11 km. In which direction is Payal now with respect to his starting point?

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

Q28. Statement: $E = C > A < F$

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

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

Q29. Study the following sequence carefully and answer the question given below:

B 7 # 7 G 6 % X 5 2 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) 0
- (b) 3
- (c) None of these
- (d) 2
- (e) 1

Q30. In a class of 32 students, Suresh ranks 22th from the top. What is Suresh's rank from the bottom?

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

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: 2016-320, 2017-880, 2018-370, 2019-830, 2020-530

Company B: 2016-720, 2017-520, 2018-720, 2019-710, 2020-690

Company C: 2016-440, 2017-480, 2018-810, 2019-280, 2020-390

Company D: 2016-270, 2017-420, 2018-590, 2019-330, 2020-290

Company E: 2016-760, 2017-720, 2018-760, 2019-540, 2020-540

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

- (a) 1791
- (b) 1697
- (c) 2076
- (d) None of these
- (e) 1900

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

- (a) None of these
- (b) 100
- (c) 95
- (d) 118
- (e) 78

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

- (a) 604
- (b) None of these
- (c) 653.76
- (d) 551.85
- (e) 522.90

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

- (a) -26.34
- (b) None of these
- (c) -34.18
- (d) -22.57
- (e) -30.95

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

- (a) 1650
- (b) 1410
- (c) 1506
- (d) 1299
- (e) None of these

Q36. I. $x^2 - x - 6 = 0$ II. $y^2 - 9y + 14 = 0$. 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) $x \leq y$

Q37. Find the missing term: 16, 48, 144, ?, 1296, 3888

- (a) None of these
- (b) 383
- (c) 369
- (d) 432
- (e) 408

Q38. What is the code for 'sky' in a certain code language?

I. 'sky is bright' is written as 'V M I'.

II. 'star is bright' is written as 'R M I'.

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

Q39. Statement: $B = D < C < A$

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

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

Q40. What is the area of a rectangle?

I. The length of the rectangle is 15 cm.

II. The perimeter of the rectangle is 42 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) Neither statement I nor II is sufficient
- (e) Only statement II alone is sufficient

Q41-Q45. Six persons Gaurav, Meena, Neha, Rahul, Rajesh, Ritu sit around a circular table facing the centre, not necessarily in the same order. Gaurav sits second to the right of Neha. Rahul sits third to the left of Neha. Meena sits immediate right of Rahul. Ritu sits between Gaurav and Rajesh.

Q41. Who sits second to the right of Neha?

- (a) Rajesh
- (b) Neha
- (c) Ritu
- (d) Gaurav
- (e) Rahul

Q42. Who sits immediate right of Rahul?

- (a) Ritu
- (b) Meena
- (c) Rajesh
- (d) Neha
- (e) Rahul

Q43. Who sits between Gaurav and Rajesh?

- (a) Neha
- (b) Rajesh
- (c) Meena
- (d) Ritu
- (e) Rahul

Q44. Who sits third to the left of Neha?

- (a) Rahul
- (b) Meena
- (c) Rajesh
- (d) Gaurav
- (e) Neha

Q45. How many persons are seated around the table?

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

- (d) 6
- (e) 5

Q46. Study the following sequence carefully and answer the question given below:
8 & U & \$ 5 4 1 @ 1 Y 3 F

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

Q47. What is the area of a rectangle?

- I. The length of the rectangle is 13 cm.
- II. The perimeter of the rectangle is 36 cm.

- (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

Q48. Find the missing term: 10, 17, 26, ?, 50, 65

- (a) 31
- (b) 42
- (c) 43
- (d) None of these
- (e) 37

Q49. Find the missing term: 7, 10, ?, 16, 19, 22

- (a) None of these
- (b) 13
- (c) 15
- (d) 14
- (e) 11

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

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

Q51. $110 \times 4 \div 90 + \sqrt{225} - 80 \div 2 \approx ?$ (find the approximate value)

- (a) -23.83
- (b) -20.11
- (c) -19.02
- (d) -17.52
- (e) None of these

Q52. Tarun introduced Sanjay as the son of the only brother of Tarun's mother. How is Sanjay related to Tarun?

- (a) Son

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

Q53. $(9^4) - (9^2) + 17 \div 4 = ?$

- (a) None of these
- (b) 6970.62
- (c) 7056.96
- (d) 6484.25
- (e) 5853.45

Q54. Find the average of the following numbers: 87, 56, 44, 58, 51.

- (a) 59.20
- (b) 67.45
- (c) None of these
- (d) 65.72
- (e) 65.34

Q55. $\sqrt{36 \times 34} - (8 \times 5) + 8 = ?$

- (a) 152.09
- (b) 161.60
- (c) 172
- (d) 164.11
- (e) None of these

Q56. I. $x^2 - 6x + 5 = 0$ II. $y^2 - 2y - 99 = 0$. On solving both equations, find the relation between x and y.

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

Q57-Q61. The pie chart below shows the percentage distribution of 4200 students enrolled across six streams A, B, C, D, E, F. Study it and answer the questions that follow.

A: 12%, B: 21%, C: 15%, D: 8%, E: 24%, F: 20%

Q57. How many students are enrolled in stream F?

- (a) None of these
- (b) 840
- (c) 815
- (d) 943
- (e) 770

Q58. What is the difference between the number of students in stream A and stream D?

- (a) 137
- (b) 168
- (c) None of these
- (d) 155
- (e) 158

Q59. What is the central angle (in degrees) representing stream C in the pie chart?

- (a) 58.49

- (b) 55.38
- (c) 54
- (d) 57.71
- (e) None of these

Q60. What is the ratio of the number of students in stream E to stream C?

- (a) 1:1
- (b) 8:5
- (c) None of these
- (d) 3:2
- (e) 7:6

Q61. How many students are NOT enrolled in stream B?

- (a) 3433
- (b) 3145
- (c) 3318
- (d) 3102
- (e) None of these

Q62-Q66. Seven persons Aman, Arjun, Ashok, Kiran, Nisha, Rahul, Sanjay 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. Sanjay lives on the lowest floor. Arjun lives on the topmost floor. Aman lives exactly in the middle floor. Nisha lives immediately above Sanjay. Ashok lives immediately above Nisha. Rahul lives immediately below Arjun. Kiran lives exactly between Aman and Rahul.

Q62. Who lives on the 3rd floor?

- (a) Aman
- (b) Rahul
- (c) Arjun
- (d) Nisha
- (e) Ashok

Q63. How many persons live above the floor of Aman?

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

Q64. Who lives immediately below Aman?

- (a) Kiran
- (b) Aman
- (c) Ashok
- (d) Sanjay
- (e) Nisha

Q65. Who lives on the topmost floor?

- (a) Arjun
- (b) Nisha
- (c) Kiran
- (d) Sanjay
- (e) Ashok

Q66. Who lives exactly between the floors of Aman and Rahul?

- (a) Kiran
- (b) Sanjay
- (c) Aman
- (d) Ashok
- (e) Nisha

Q67. In a certain code language, 'Priya works hard' is written as '8 1 9' and 'Sanjay works daily' is written as '2 1 5'. What is the code for 'works' in this language?

- (a) 9
- (b) 2
- (c) 8
- (d) 1
- (e) 5

Q68-Q72. Seven persons Anita, Ashok, Manoj, Neha, Pooja, Ritu, Rohit sit in a row facing north, not necessarily in the same order. Neha sits at the extreme left end. Anita sits at the extreme right end. Rohit sits exactly in the middle of the row. Ritu sits second from the left end. Manoj sits to the immediate right of Ritu. Pooja sits second from the right end. Ashok sits between Rohit and Pooja.

Q68. Who sits third from the left end?

- (a) Neha
- (b) Ashok
- (c) Pooja
- (d) Manoj
- (e) Ritu

Q69. How many persons sit to the right of Rohit?

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

Q70. Who sits immediate left of Rohit?

- (a) Ritu
- (b) Manoj
- (c) Rohit
- (d) Pooja
- (e) Neha

Q71. Which of the following sits at the extreme right end of the row?

- (a) Anita
- (b) Pooja
- (c) Manoj
- (d) Ritu
- (e) Ashok

Q72. Who sits exactly between Rohit and Pooja?

- (a) Anita
- (b) Manoj
- (c) Rohit
- (d) Ritu
- (e) Ashok

Q73. I. $x^2 + 4x - 5 = 0$ II. $y^2 + 2y - 15 = 0$. 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) $x < y$
- (e) $x \geq y$

Q74. The speed of a boat in still water is 13 km/hr and the speed of the current is 4 km/hr. Find the time taken to cover 24 km downstream (in hours).

- (a) 1.25
- (b) 1.59
- (c) 1.41
- (d) None of these
- (e) 1.51

Q75. $[(53 \times 8) \div 9 - 3] \times 2 \div 13 + (8 - 9) = ?$

- (a) 5.79
- (b) 6.45
- (c) 5.34
- (d) 6.01
- (e) None of these

Q76. Is the number x an even number?

I. x is completely divisible by 12.

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

Q77. Anita said, "Kiran's mother is the only daughter of my mother." How is Anita related to Kiran?

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

Q78. Statements: Some Books are Pens. No Pens is Cups. All Cups are Mirrors.

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

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

Q79. $460 \times 8 \div 30 + \sqrt{256} - 115 \div 5 \approx ?$ (find the approximate value)

- (a) 132.71
- (b) 127.27
- (c) 126.97
- (d) None of these

(e) 115.67

Q80. Statement: $E < G > A < D$

Conclusions: I. $E < A$ II. $G = D$

- (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

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