

IBPS RRB PO 2017 Prelims Memory Based Paper PDF

Q1-Q5. The pie chart below shows the percentage distribution of 3600 students enrolled across six streams A, B, C, D, E, F. Study it and answer the questions that follow.

A: 16%, B: 22%, C: 14%, D: 20%, E: 16%, F: 12%

Q1. How many students are enrolled in stream B?

- (a) None of these
- (b) 765
- (c) 705
- (d) 792
- (e) 734

Q2. What is the difference between the number of students in stream F and stream B?

- (a) 432
- (b) 304
- (c) None of these
- (d) 415
- (e) 360

Q3. What is the central angle (in degrees) representing stream D in the pie chart?

- (a) 65.63
- (b) 78.60
- (c) None of these
- (d) 68.08
- (e) 72

Q4. What is the ratio of the number of students in stream F to stream D?

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

Q5. How many students are NOT enrolled in stream C?

- (a) 3277
- (b) 2699
- (c) 3096
- (d) None of these
- (e) 3258

Q6. Statement: $G < B > E < D$

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

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

Q7. In a certain code language, 'Meena works hard' is written as '8 2 5' and 'Nisha works daily' is written as '4 2 1'. What is the code for 'works' in this language?

- (a) 8
- (b) 2

- (c) 1
- (d) 5
- (e) 4

Q8-Q12. Seven persons Aman, Isha, Kavita, Komal, Nisha, Sanjay, 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. Isha lives on the lowest floor. Nisha lives on the topmost floor. Kavita lives exactly in the middle floor. Sanjay lives immediately above Isha. Komal lives immediately above Sanjay. Aman lives immediately below Nisha. Vivek lives exactly between Kavita and Aman.

Q8. Who lives on the 3rd floor?

- (a) Sanjay
- (b) Kavita
- (c) Aman
- (d) Komal
- (e) Vivek

Q9. How many persons live above the floor of Kavita?

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

Q10. Who lives immediately below Kavita?

- (a) Komal
- (b) Isha
- (c) Aman
- (d) Sanjay
- (e) Vivek

Q11. Who lives on the topmost floor?

- (a) Kavita
- (b) Komal
- (c) Vivek
- (d) Nisha
- (e) Isha

Q12. Who lives exactly between the floors of Kavita and Aman?

- (a) Sanjay
- (b) Vivek
- (c) Komal
- (d) Isha
- (e) Nisha

Q13. Who is the tallest among Rohit, Vikas, Ritu, Manoj and Pooja?

I. Ritu is taller than Rohit and Manoj but shorter than Vikas.

II. Pooja is the tallest of all five.

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

Q14. $410 \times 8 \div 40 + \sqrt{169} - 230 \div 5 \approx ?$ (find the approximate value)

- (a) 57.31
- (b) 38.70
- (c) 49
- (d) None of these
- (e) 53.55

Q15. $[(39 \times 12) \div 6 - 9] \times 4 \div 7 + (12 - 6) = ?$

- (a) 41.27
- (b) 41.80
- (c) 47.41
- (d) None of these
- (e) 45.43

Q16. Divya walks 6 km towards North, then turns right and walks 8 km. He then turns right again and walks 6 km. In which direction is Divya now with respect to his starting point?

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

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

3 4 6 W 2 0 6 % Z X V 7 5

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

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

Q18. Suresh said, "Nisha's mother is the only daughter of my mother." How is Suresh related to Nisha?

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

Q19. Is the number x an even number?

I. x is completely divisible by 6.

II. x is completely divisible by 18.

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

Q20. A shopkeeper bought an article for ₹580 and sold it at a profit of 10%. Find the selling price.

- (a) 657.20
- (b) None of these
- (c) 601.29
- (d) 638

(e) 615.53

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

E A % \$ Z 5 # S % 4 4 U 6

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

Q22. Komal walks 9 km towards North, then turns left and walks 8 km. He then turns left again and walks 9 km. In which direction is Komal now with respect to his starting point?

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

Q23-Q27. 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-195, Feb-60, Mar-55, Apr-190, May-205, Jun-165

Product Q: Jan-290, Feb-70, Mar-170, Apr-255, May-260, Jun-190

Q23. What is the total number of units (in tens) of products P and Q sold together in Jun?

- (a) 337
- (b) None of these
- (c) 327
- (d) 355
- (e) 384

Q24. What is the difference in units sold between Product P and Product Q in Mar?

- (a) None of these
- (b) -128
- (c) -103
- (d) -115
- (e) -152

Q25. Find the average monthly sale (in tens) of Product P over the six months.

- (a) 122.66
- (b) 127.45
- (c) None of these
- (d) 123.40
- (e) 145

Q26. What is the total number of units (in tens) of Product Q sold over all six months?

- (a) 1297
- (b) 1317
- (c) 1235
- (d) None of these
- (e) 1331

Q27. What is the ratio of units sold of Product P to Product Q in May?

- (a) 43:50
- (b) 7:9
- (c) 41:52
- (d) 44:53
- (e) None of these

Q28. In a class of 31 students, Kavita ranks 6th from the top. What is Kavita's rank from the bottom?

- (a) 24
- (b) 21
- (c) 27
- (d) None of these
- (e) 26

Q29. What is the area of a rectangle?

- I. The length of the rectangle is 15 cm.
- II. The perimeter of the rectangle is 48 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) Neither statement I nor II is sufficient
- (e) Both statements I and II together are necessary

Q30. $155 \times 8 \div 75 + \sqrt{144} - 210 \div 2 \approx ?$ (find the approximate value)

- (a) -76.47
- (b) -89.29
- (c) -80.53
- (d) None of these
- (e) -62.27

Q31. Statements: All Doors are Tables. All Tables are Pens. No Pens is Chairs.

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

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

Q32. What is the area of a rectangle?

- I. The length of the rectangle is 18 cm.
- II. The perimeter of the rectangle is 60 cm.

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

Q33. Payal introduced Gaurav as the son of the only brother of Payal's mother. How is Gaurav related to Payal?

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

Q34. $(5^4) - (6^2) + 18 \div 5 = ?$

- (a) 592.60
- (b) 545.32
- (c) 638.41
- (d) 651.15
- (e) None of these

Q35. In a certain code language, 'Payal works hard' is written as '3 2 7' and 'Vikas works daily' is written as '1 2 5'. What is the code for 'works' in this language?

- (a) 1
- (b) 3
- (c) 5
- (d) 2
- (e) 7

Q36. $[(41 \times 10) \div 3 - 14] \times 2 \div 7 + (10 - 3) = ?$

- (a) None of these
- (b) 39.42
- (c) 45.94
- (d) 42.05
- (e) 39.48

Q37. I. $x^2 + 7x - 8 = 0$ II. $y^2 + 2y - 3 = 0$. On solving both equations, find the relation between x and y.

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

Q38. Find the missing term: 5, 14, 23, ?, 41, 50

- (a) 34
- (b) None of these
- (c) 27
- (d) 38
- (e) 32

Q39. Statements: All Pens are Chairs. All Chairs are Windows. No Windows is Books.
Conclusions: I. All Pens are Windows. II. No Pens is Books. III. Some Chairs are not Books.

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

Q40. Statements: Some Doors are Cups. No Cups is Pens. All Pens are Chairs.
Conclusions: I. No Doors is Pens. II. Some Doors are not Pens. III. Some Chairs are not Cups.

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

Q41. In a certain code language, 'Tarun works hard' is written as '9 4 7' and 'Vivek works daily' is written as '8 4 2'. What is the code for 'works' in this language?

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

Q42. A and B invest ₹19000 and ₹18000 respectively in a business for the same period. If the total profit at the end of the year is ₹24000, find A's share of the profit (in ₹).

- (a) None of these
- (b) 12872.30
- (c) 11120.83
- (d) 12324.32
- (e) 13862.17

Q43. Statement: $G = B = A = C$

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

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

Q44. What is the area of a rectangle?

I. The length of the rectangle is 19 cm.

II. The perimeter of the rectangle is 48 cm.

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

Q45. $375 \times 3 \div 70 + \sqrt{196} - 110 \div 5 \approx ?$ (find the approximate value)

- (a) 7.25
- (b) None of these
- (c) 6.69
- (d) 6.71
- (e) 8.07

Q46. Find the missing term: 8, 14, 20, 26, 32, ?

- (a) 44
- (b) None of these
- (c) 36
- (d) 38
- (e) 46

Q47-Q51. Seven persons Ashok, Deepak, Divya, Meena, Neha, Ritu, Simran sit in a row facing north, not necessarily in the same order. Neha sits at the extreme left end. Divya sits at the extreme right end. Ritu sits exactly in the middle of the row. Ashok sits second from the left end. Simran sits to the immediate right of Ashok. Meena sits second from the right end. Deepak sits between Ritu and Meena.

Q47. Who sits third from the left end?

- (a) Deepak
- (b) Divya
- (c) Meena
- (d) Ritu
- (e) Simran

Q48. How many persons sit to the right of Ritu?

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

Q49. Who sits immediate left of Ritu?

- (a) Simran
- (b) Deepak
- (c) Ashok
- (d) Meena
- (e) Ritu

Q50. Which of the following sits at the extreme right end of the row?

- (a) Simran
- (b) Neha
- (c) Divya
- (d) Meena
- (e) Ritu

Q51. Who sits exactly between Ritu and Meena?

- (a) Meena
- (b) Ritu
- (c) Divya
- (d) Ashok
- (e) Deepak

Q52. I. $x^2 + 15x + 36 = 0$ II. $y^2 - 20y + 96 = 0$. On solving both equations, find the relation between x and y.

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

Q53. Find the missing term: 12, 24, ?, 96, 192, 384

- (a) 48
- (b) 54
- (c) 58
- (d) 55
- (e) None of these

Q54. Vikas said, "Pooja's mother is the only daughter of my mother." How is Vikas related to Pooja?

- (a) Sister
- (b) Mother
- (c) Grandmother

- (d) Daughter
- (e) Aunt

Q55. Pooja walks 14 km towards North, then turns left and walks 14 km. He then turns left again and walks 14 km. In which direction is Pooja now with respect to his starting point?

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

Q56. Statement: $E = C > H < B$

Conclusions: I. $E < H$ II. $C < B$

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

Q57-Q61. Six persons Aman, Ashok, Kavita, Manoj, Rahul, Vivek sit around a circular table facing the centre, not necessarily in the same order. Kavita sits second to the right of Aman. Manoj sits third to the left of Aman. Rahul sits immediate right of Manoj. Vivek sits between Kavita and Ashok.

Q57. Who sits second to the right of Aman?

- (a) Kavita
- (b) Rahul
- (c) Aman
- (d) Ashok
- (e) Vivek

Q58. Who sits immediate right of Manoj?

- (a) Manoj
- (b) Aman
- (c) Vivek
- (d) Kavita
- (e) Rahul

Q59. Who sits between Kavita and Ashok?

- (a) Ashok
- (b) Kavita
- (c) Vivek
- (d) Rahul
- (e) Aman

Q60. Who sits third to the left of Aman?

- (a) Kavita
- (b) Manoj
- (c) Ashok
- (d) Aman
- (e) Vivek

Q61. How many persons are seated around the table?

- (a) 8
- (b) 6

- (c) 5
- (d) 4
- (e) 7

Q62. Who is the tallest among Meena, Naveen, Anita, Aman and Kiran?

- I. Anita is taller than Meena and Aman but shorter than Naveen.
- II. Kiran is the tallest of all five.

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

Q63. In a class of 20 students, Aman ranks 13th from the top. What is Aman's rank from the bottom?

- (a) None of these
- (b) 7
- (c) 8
- (d) 6
- (e) 9

Q64. I. $x^2 - 3x - 4 = 0$ II. $y^2 - 3y - 4 = 0$. 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) $x \leq y$

Q65. Who is the tallest among Kavita, Meena, Tarun, Suresh and Sonia?

- I. Tarun is taller than Kavita and Suresh but shorter than Meena.
- II. Sonia is the tallest of all five.

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

Q66. Study the following sequence carefully and answer the question given below:

F \$ % Z # P % * P 0 5 @ Y

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

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

Q67. Two varieties of rice costing ₹30/kg and ₹104/kg are mixed in the ratio 2:3. Find the average cost of the mixture per kg (in ₹).

- (a) 79.86
- (b) 82.97
- (c) 68.10
- (d) 74.40

(e) None of these

Q68. I. $x^2 - 10x - 24 = 0$ II. $y^2 - 81 = 0$. On solving both equations, find the relation between x and y.

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

Q69. In a class of 23 students, Divya ranks 17th from the top. What is Divya's rank from the bottom?

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

Q70. $230 \times 7 \div 55 + \sqrt{196} - 55 \div 5 \approx ?$ (find the approximate value)

- (a) 37.70
- (b) 27.29
- (c) None of these
- (d) 32.27
- (e) 27.31

Q71. I. $x^2 - 11x + 0 = 0$ II. $y^2 + 4y + 0 = 0$. 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) $x < y$
- (e) $x \leq y$

Q72. Two numbers are in the ratio 6:2 and their sum is 432. Find the larger number.

- (a) None of these
- (b) 324
- (c) 363.09
- (d) 355.10
- (e) 284.27

Q73-Q77. 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: 2016-350, 2017-220, 2018-450, 2019-340, 2020-620

Company B: 2016-650, 2017-670, 2018-770, 2019-270, 2020-260

Company C: 2016-770, 2017-410, 2018-310, 2019-830, 2020-620

Company D: 2016-340, 2017-570, 2018-740, 2019-490, 2020-600

Company E: 2016-760, 2017-770, 2018-810, 2019-480, 2020-420

Q73. What is the total number of employees (in hundreds) in Company B over all five years?

- (a) 2360
- (b) 2700

- (c) 2620
- (d) None of these
- (e) 2739

Q74. What is the difference between the number of employees in Company B and Company D in 2020?

- (a) 371
- (b) 391
- (c) 287
- (d) None of these
- (e) 340

Q75. Find the average number of employees (in hundreds) across all five companies in 2020.

- (a) 504
- (b) None of these
- (c) 419.29
- (d) 572.80
- (e) 471.69

Q76. What is the percentage change in the number of employees of Company B from 2020 to 2016?

- (a) 150
- (b) 122.88
- (c) 109
- (d) 102.40
- (e) None of these

Q77. What is the total number of employees (in hundreds) in Company A in 2020 and Company D in 2016 together?

- (a) 1078
- (b) 960
- (c) None of these
- (d) 1122
- (e) 911

Q78. Find the missing term: 12, 20, 36, ?, 60, 68

- (a) 37
- (b) 49
- (c) 39
- (d) None of these
- (e) 44

Q79. $\sqrt{144} \times 17 - (5 \times 5) + 7 = ?$

- (a) 186
- (b) 191.85
- (c) 196.08
- (d) None of these
- (e) 168.84

Q80. What is the code for 'cloud' in a certain code language?

I. 'cloud is bright' is written as 'F A K'.

II. 'sky is bright' is written as 'T A K'.

- (a) Only statement I alone is sufficient

- (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) Both statements I and II together are necessary

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