IBPS RRB PO 2019 Prelims Memory Based Paper PDF

Q1. A train covers 120 km at a speed of 40 km/hr. Find the time taken (in hours).

(a) 2.62
(b) None of these
(c) 2.86
(d) 3.16
(e) 3

Q2. What is the code for 'storm' in a certain code language?
I. 'storm is bright' is written as 'D U H'.
II. 'rain is bright' is written as 'L U H'.

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

Q3. Find the missing term: 15, 21, 32, 38, 49, ?

(a) 55
(b) 58
(c) None of these
(d) 47
(e) 64

Q4. Statement: E < D > C > B
Conclusions: I. E < C II. D > B

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

Q5. Find the missing term: 12, 18, 26, 36, 48, ?

(a) 52
(b) 55
(c) 62
(d) None of these
(e) 68

Q6. What is the code for 'moon' in a certain code language?
I. 'moon is bright' is written as 'D F U'.
II. 'rain is bright' is written as 'A F U'.

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

Q7-Q11. The pie chart below shows the percentage distribution of 6800 students enrolled across six streams A, B, C, D, E, F. Study it and answer the questions that follow.

A: 14%, B: 20%, C: 22%, D: 13%, E: 10%, F: 21%

Q7. How many students are enrolled in stream D?
(a) 884
(b) 972
(c) None of these
(d) 833
(e) 853

Q8. What is the difference between the number of students in stream B and stream A?
(a) 376
(b) 357
(c) 324
(d) None of these
(e) 408

Q9. What is the central angle (in degrees) representing stream A in the pie chart?
(a) 48.71
(b) None of these
(c) 52.53
(d) 50.40
(e) 53.25

Q10. What is the ratio of the number of students in stream C to stream A?
(a) None of these
(b) 13:9
(c) 11:7
(d) 13:7
(e) 4:3

Q11. How many students are NOT enrolled in stream B?
(a) None of these
(b) 5679
(c) 5639
(d) 5870
(e) 5440

Q12-Q16. 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: 2016-690, 2017-430, 2018-440, 2019-580, 2020-630
Company B: 2016-570, 2017-650, 2018-440, 2019-450, 2020-250
Company C: 2016-780, 2017-450, 2018-750, 2019-620, 2020-780
Company D: 2016-650, 2017-200, 2018-570, 2019-680, 2020-890
Company E: 2016-690, 2017-790, 2018-860, 2019-330, 2020-360

Q12. What is the total number of employees (in hundreds) in Company B over all five years?
(a) None of these
(b) 2141
(c) 2611
(d) 2486
(e) 2360

Q13. What is the difference between the number of employees in Company B and Company A in 2018?

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

Q14. Find the average number of employees (in hundreds) across all five companies in 2018.

(a) None of these
(b) 562.09
(c) 667.59
(d) 587.35
(e) 612

Q15. What is the percentage change in the number of employees of Company B from 2018 to 2016?

(a) 37.95
(b) None of these
(c) 29.55
(d) 25.95
(e) 26.47

Q16. What is the total number of employees (in hundreds) in Company D in 2018 and Company A in 2016 together?

(a) 1319
(b) 1205
(c) None of these
(d) 1453
(e) 1260

Q17. Statement: E = G = A > D
Conclusions: I. E > A II. G > D

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

Q18. Find the missing term: 14, 22, ?, 45, 60, 68

(a) None of these
(b) 37
(c) 30
(d) 33
(e) 44

Q19. In a class of 40 students, Tarun ranks 18th from the top. What is Tarun's rank from the bottom?

(a) 24
(b) 26
(c) None of these
(d) 25
(e) 23

Q20-Q24. Seven persons Anita, Manoj, Naveen, 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. Vivek lives on the lowest floor. Rahul lives on the topmost floor. Vikas lives exactly in the middle floor. Manoj lives immediately above Vivek. Anita lives immediately above Manoj. Rohit lives immediately below Rahul. Naveen lives exactly between Vikas and Rohit.

Q20. Who lives on the 3rd floor?

(a) Rahul
(b) Anita
(c) Vikas
(d) Naveen
(e) Manoj

Q21. How many persons live above the floor of Vikas?

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

Q22. Who lives immediately below Vikas?

(a) Anita
(b) Rohit
(c) Manoj
(d) Vivek
(e) Rahul

Q23. Who lives on the topmost floor?

(a) Manoj
(b) Rahul
(c) Rohit
(d) Vikas
(e) Naveen

Q24. Who lives exactly between the floors of Vikas and Rohit?

(a) Rahul
(b) Naveen
(c) Vikas
(d) Vivek
(e) Anita

Q25. $[(39 \times 11) \div 4 - 5] \times 3 \div 14 + (11 - 4) = ?$

(a) 31.58
(b) 25.91
(c) 28.91
(d) None of these
(e) 25.22

Q26. A shopkeeper bought an article for ₹1720 and sold it at a profit of 10%. Find the selling price.

(a) None of these
(b) 2102.52
(c) 1674.57

(d) 1892
(e) 1668.32

Q27. 110 × 8 ÷ 70 + √256 − 75 ÷ 5 ≈ ? (find the approximate value)
(a) 14.79
(b) 13.57
(c) 16.37
(d) None of these
(e) 14.88

Q28. I. x^2 - 9x + 14 = 0 II. y^2 + 5y - 66 = 0. On solving both equations, find the relation between x and y.
(a) x < y
(b) x ≤ y
(c) x > y
(d) x ≥ y
(e) x = y or relationship cannot be established

Q29. [(39 × 9) ÷ 6 − 8] × 2 ÷ 6 + (9 − 6) = ?
(a) 21.93
(b) 20.56
(c) None of these
(d) 19.83
(e) 21.07

Q30. Study the following sequence carefully and answer the question given below:
C R 4 * Z 6 5 3 D 9 B 4 @
How many times does a letter is immediately preceded by a digit and immediately followed by a digit in the above sequence?
(a) 3
(b) 0
(c) 1
(d) 2
(e) None of these

Q31. In a certain code language, 'Naveen works hard' is written as '8 7 4' and 'Pooja works daily' is written as '6 7 9'. What is the code for 'works' in this language?
(a) 4
(b) 9
(c) 7
(d) 6
(e) 8

Q32. Statements: All Bottles are Doors. All Doors are Pens. No Pens is Chairs.
Conclusions: I. All Bottles are Pens. II. No Bottles is Chairs. III. Some Doors are not Chairs.
(a) All I, II and III follow
(b) Only I and II follow
(c) Only I and III follow
(d) None of the conclusions follow
(e) Only II and III follow

Q33-Q37. Seven persons Arjun, Divya, Komal, Meena, Naveen, Payal, Priya sit in a row facing north, not necessarily in the same order. Naveen sits at the extreme left end. Komal sits at the extreme right end. Arjun sits exactly in the middle of the row. Divya sits second

from the left end. Priya sits to the immediate right of Divya. Meena sits second from the right end. Payal sits between Arjun and Meena.

Q33. Who sits third from the left end?

(a) Payal
(b) Meena
(c) Divya
(d) Arjun
(e) Priya

Q34. How many persons sit to the right of Arjun?

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

Q35. Who sits immediate left of Arjun?

(a) Arjun
(b) Meena
(c) Naveen
(d) Priya
(e) Payal

Q36. Which of the following sits at the extreme right end of the row?

(a) Meena
(b) Komal
(c) Divya
(d) Arjun
(e) Payal

Q37. Who sits exactly between Arjun and Meena?

(a) Payal
(b) Divya
(c) Naveen
(d) Priya
(e) Arjun

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

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

Q39. Pipe A can fill a tank in 9 hours and Pipe B can fill the same tank in 13 hours. If both pipes are opened together, find the time taken to fill the tank (in hours).

(a) 6
(b) 5.32
(c) 6.02
(d) 5.02
(e) None of these

Q40-Q44. Six persons Arjun, Gaurav, Komal, Rohit, Simran, Vivek sit around a circular table facing the centre, not necessarily in the same order. Vivek sits second to the right of Rohit. Simran sits third to the left of Rohit. Komal sits immediate right of Simran. Gaurav sits between Vivek and Arjun.

Q40. Who sits second to the right of Rohit?

(a) Gaurav
(b) Vivek
(c) Komal
(d) Simran
(e) Arjun

Q41. Who sits immediate right of Simran?

(a) Gaurav
(b) Arjun
(c) Simran
(d) Vivek
(e) Komal

Q42. Who sits between Vivek and Arjun?

(a) Vivek
(b) Arjun
(c) Simran
(d) Rohit
(e) Gaurav

Q43. Who sits third to the left of Rohit?

(a) Gaurav
(b) Rohit
(c) Simran
(d) Komal
(e) Vivek

Q44. How many persons are seated around the table?

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

Q45. What is the code for 'sun' in a certain code language?
I. 'sun is bright' is written as 'H P Z'.
II. 'cloud is bright' is written as 'O P Z'.

(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

Q46. What is the code for 'sky' in a certain code language?
I. 'sky is bright' is written as 'R P G'.
II. 'rain is bright' is written as 'F P G'.

(a) Only statement I 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 II alone is sufficient

Q47. Statement: H > G = A = D
Conclusions: I. H = A II. G > D
(a) Only conclusion II follows
(b) Only conclusion I follows
(c) Either I or II follows
(d) Both conclusions I and II follow
(e) Neither I nor II follows

Q48. Pointing to a photograph, Naveen said, "Rahul is the son of my father's only son." How is Rahul related to Naveen?
(a) Son
(b) Brother
(c) Nephew
(d) Cousin
(e) Father

Q49. Study the following sequence carefully and answer the question given below:
E $ N 2 L 8 5 7 6 & 1 X 8
How many times does a digit is immediately preceded by a letter and immediately followed by a symbol in the above sequence?
(a) 2
(b) 1
(c) 0
(d) 4
(e) None of these

Q50. Statements: Some Chairs are Bottles. No Bottles is Lamps. All Lamps are Mirrors.
Conclusions: I. No Chairs is Lamps. II. Some Chairs are not Lamps. III. Some Mirrors are not Bottles.
(a) All I, II and III follow
(b) Only I and II follow
(c) Only II and III follow
(d) None of the conclusions follow
(e) Only I and III follow

Q51. I. $x^2 - 2x - 3 = 0$ II. $y^2 + 13y + 36 = 0$. 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) $x \leq y$
(e) $x > y$

Q52. $105 \times 8 \div 20 + \sqrt{256} - 60 \div 5 \approx ?$ (find the approximate value)
(a) None of these
(b) 46
(c) 49.90
(d) 42.92
(e) 48.91

Q53. Rahul walks 7 km towards North, then turns right and walks 6 km. He then turns right again and walks 7 km. In which direction is Rahul now with respect to his starting point?

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

Q54. $115 \times 6 \div 75 + \sqrt{256} - 80 \div 2 \approx ?$ (find the approximate value)

(a) -16.17
(b) -12.21
(c) -14.80
(d) None of these
(e) -11.66

Q55. Statements: All Bottles are Lamps. All Lamps are Books. No Books is Doors.
Conclusions: I. All Bottles are Books. II. No Bottles is Doors. III. Some Lamps are not Doors.

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

Q56. Find the missing term: 16, 18, ?, 36, 52, 54

(a) 37
(b) 34
(c) 38
(d) None of these
(e) 31

Q57. Study the following sequence carefully and answer the question given below:
D % 1 1 $ 3 1 0 R 7 K X 8
How many times does a symbol immediately follows a letter in the above sequence?

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

Q58. Is the number x an even number?
I. x is completely divisible by 18.
II. x is completely divisible by 6.

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

Q59. I. $x^2 - 13x + 36 = 0$ II. $y^2 + 8y + 15 = 0$. On solving both equations, find the relation between x and y.

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

(e) $x \geq y$

Q60. In a certain code language, 'Aman works hard' is written as '7 6 8' and 'Neha works daily' is written as '2 6 9'. What is the code for 'works' in this language?

(a) 8
(b) 9
(c) 7
(d) 6
(e) 2

Q61. Vikas walks 8 km towards North, then turns right and walks 10 km. He then turns right again and walks 8 km. In which direction is Vikas now with respect to his starting point?

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

Q62-Q66. 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-60, Feb-285, Mar-290, Apr-175, May-285, Jun-230
Product Q: Jan-170, Feb-180, Mar-125, Apr-145, May-70, Jun-200

Q62. What is the total number of units (in tens) of products P and Q sold together in Mar?

(a) 415
(b) 453
(c) None of these
(d) 468
(e) 441

Q63. What is the difference in units sold between Product P and Product Q in Feb?

(a) 105
(b) 73
(c) 137
(d) 124
(e) None of these

Q64. Find the average monthly sale (in tens) of Product P over the six months.

(a) 258.13
(b) None of these
(c) 250.25
(d) 204.94
(e) 220.83

Q65. What is the total number of units (in tens) of Product Q sold over all six months?

(a) 963
(b) 890
(c) 804
(d) 813
(e) None of these

Q66. What is the ratio of units sold of Product P to Product Q in Jan?

(a) 3:8

(b) 6:17
(c) 7:18
(d) None of these
(e) 1:6

Q67. In a class of 37 students, Manoj ranks 18th from the top. What is Manoj's rank from the bottom?

(a) 20
(b) 23
(c) 16
(d) None of these
(e) 17

Q68. I. $x^2 - x - 110 = 0$ II. $y^2 + 2y - 120 = 0$. On solving both equations, find the relation between x and y.

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

Q69. Is the number x an even number?
I. x is completely divisible by 4.
II. x is completely divisible by 18.

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

Q70. $445 \times 5 \div 90 + \sqrt{144} - 90 \div 2 \approx ?$ (find the approximate value)

(a) None of these
(b) -9.46
(c) -8.28
(d) -10.09
(e) -6.65

Q71. $[(19 \times 6) \div 2 - 4] \times 8 \div 7 + (6 - 2) = ?$

(a) 57.31
(b) 57.36
(c) None of these
(d) 71.73
(e) 64.57

Q72. I. $x^2 - 14x + 40 = 0$ II. $y^2 - y + 0 = 0$. On solving both equations, find the relation between x and y.

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

Q73. Kavita 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 Kavita now with respect to his starting

point?

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

Q74. Pointing to a photograph, Neha said, "Rajesh is the son of my father's only son." How is Rajesh related to Neha?

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

Q75. In a certain code language, 'Komal works hard' is written as '6 3 8' and 'Priya works daily' is written as '2 3 5'. What is the code for 'works' in this language?

(a) 8
(b) 5
(c) 2
(d) 3
(e) 6

Q76. In a class of 40 students, Kavita ranks 16th from the top. What is Kavita's rank from the bottom?

(a) None of these
(b) 25
(c) 28
(d) 30
(e) 27

Q77. A train covers 150 km at a speed of 80 km/hr. Find the time taken (in hours).

(a) 2.02
(b) 1.88
(c) None of these
(d) 1.75
(e) 1.63

Q78. Is the number x an even number?
I. x is completely divisible by 6.
II. x is completely divisible by 16.

(a) Only statement I alone is sufficient
(b) Only statement II 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

Q79. $\sqrt{49} \times 23 - (7 \times 3) + 8 = ?$

(a) 129.32
(b) None of these
(c) 148
(d) 166.82
(e) 129.64

Q80. What is the area of a rectangle?
I. The length of the rectangle is 8 cm.
II. The perimeter of the rectangle is 36 cm.

(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