

RRB PO Pre 2022 (20th August) Shift-Wise Previous Year Paper Mock 03

Directions (1-3): Study the following information carefully and answer the questions given below.

Waqar walks 9m towards west to reach point A. Then he turns to left and walks 7m to reach point B. Then, he turns to right and walks 12m to reach point C and again he turns to left and walks 15m to reach point D. After that he turns to left and walks 25m to reach point E. Finally, he turns to right and walks 5m to reach point F.

Q1. What is

- (a) 25m
- (b) 23m
- (c) $\sqrt{653}$ m
- (d) $5\sqrt{26}$ m
- (e) None of these

Q2. In which

- (a) North-east
- (b) South-west
- (c) North-west
- (d) South-east
- (e) None of these

Q3. If Waqar

- (a) South-east
- (b) South
- (c) South-west
- (d) North-east
- (e) None of these



Q4. If in the number “7263586391”, positions of the first and the second digits are interchanged, positions of the third and fourth digits are interchanged and so on till the positions of 9th and 10th digits are interchanged, then find the multiple value of 3rd and 6th number from the left end respectively?

- (a) 21
- (b) 42
- (c) 15
- (d) 35
- (e) None of these

Directions (5-7): Study the following information carefully and answer the given questions.

In a family of nine members there are five male members. M is the son of V. V is married to J. L is daughter-In-law of V. J has three children and two of them are married. U is the mother of B. W is son-in-law of J. S is aunt of B and she is unmarried. J is grandfather of A. B don't have any siblings. S doesn't have child.

Q5. How is B related to M?

- (a) Son
- (b) Daughter
- (c) Nephew
- (d) Niece
- (e) None of these

Q6. How is U related to J?

- (a) Mother
- (b) Maternal Aunt
- (c) Paternal Aunt
- (d) Aunt
- (e) Cannot be determined

Q7. How is V related to J?

- (a) Son
- (b) Daughter
- (c) Nephew
- (d) Niece
- (e) Cannot be determined

Q8. If a four letter meaningful word will be formed from the first four letters of the word and the ninth letter from the last letter of the word and the word is "SEPTEMBER" then which letter is 4th from the beginning and end in the word if no meaningful word is formed?

- (a) T
- (b) X
- (c) R
- (d) Z
- (e) B

Directions (9-13): Study the following instructions and answer the questions given below:

Eight persons are sitting around a square table. Four persons are sitting at the corner and facing outside while four persons are sitting at the side and facing inside.

M sits second to the right of P. Only one person sits between M and R. N is an immediate neighbor of P and sits second to the left of the one who sits second to the left of O. S sits third to the right of Q who sits immediate left of L. L does not face inside.

Q9. Who among the following sits opposite to M?

- (a) L
- (b) Q
- (c) S
- (d) O
- (e) None of these

Q10. Who among the following sits second to the left of S?

- (a) R
- (b) M
- (c) P
- (d) O
- (e) None of these

Q11. Four of the following are true, which of the following is false?

- (a) M-R
- (b) N-L
- (c) S-O
- (d) Q-P
- (e) L-O

Q12. How many persons are sitting between P and O when counted from the right?

- (a) One
- (b) Four
- (c) None
- (d) Three
- (e) None of these

Q13. Who sits to the right of N?

- (a) M
- (b) R
- (c) S
- (d) O
- (e) None of these



Directions (14-18): Study the information carefully and answer the questions given below.

Seven persons A, B, C, D, E, F and G of a college are working (but not necessarily in the same order) at seven different designations viz. Chancellor, Vice Chancellor (VC), Dean, HOD, Professor, Assistant Professor and Lecturer. All the designations given are to be considered in a given order (as Chancellor is considered as Senior-most and Lecturer is considered as the Junior-most).

Not more than two persons are junior to E. Two designations are between E and B. A is senior to D. C is neither VC nor Chancellor. C is Senior to F. More than two persons are senior to A. D is not Lecturer.

Q14. Who among the following person is HOD?

- (a) B
- (b) C
- (c) F
- (d) D
- (e) None of these

Q15. Who among the following is VC?

- (a) C
- (b) G
- (c) B
- (d) D
- (e) E

Q16. How many persons are in the Add D

- (a) Three
- (b) Five
- (c) None
- (d) Four
- (e) More than

Q17. Who a

- (a) G
- (b) F
- (c) A
- (d) D
- (e) None of

Q18. Which

- (a) F is senior to only one person
- (b) D is just junior to F
- (c) F is Lecturer
- (d) F is junior to only three persons
- (e) None is true



Directions (19-22): In each of the questions below. Some statements are given followed by conclusions/group of conclusions. You have to assume all the statements to be true even if they seem to be at variance from the commonly known facts and then decide which of the given conclusions logically follow from the information given in the statements:

Q19. Statements:

Only a few wall is floor.

Some door is fan.

No floor is door.

Conclusions:

I. Some fan is not floor.

II. All wall being door is a possibility.

(a) If only conclusion I follows.

(b) If only conclusion II follows.

(c) If either

(d) If neither

(e) If both co

Q20. Staten

All jeep are c

Some car is

Only a few v

Conclusion

I. All jeep be

II. All van be

(a) If only co

(b) If only co

(c) If either

(d) If neither

(e) If both co

Q21. Staten

Some Park i

Only cabin i

No park is metro.

Conclusions:

I. Some coach being park is a possibility.

II. All cabin being metro is a possibility.

(a) If only conclusion I follows.

(b) If only conclusion II follows.

(c) If either conclusion I or II follows.

(d) If neither conclusion I nor II follows.

(e) If both conclusions I and II follow.

Some new are not old.
Only a few old are same.
All same are again.

I. Some again is not old.
II. All same being new is a possibility.
(a) If only conclusion I follows.
(b) If only conclusion II follows.
(c) If either conclusion I or II follows.
(d) If neither
(e) If both c

Seven persons
in the same
Y was born
born before
on Saturday

on di
was born just
as not born o
was born?

Monday nor

(a) Tuesday
(b) Wednesday
(c) Thursday
(d) Friday
(e) Sunday

(a) None
(b) One
(c) Two
(d) Three
(e) More than three

(a) P
(b) A
(c) Y
(d) Z
(e) R

Q26. Which of the following pair of persons were born on Monday and Sunday respectively?

- (a) R and X
- (b) B and R
- (c) P and Z
- (d) X and B
- (e) None of these

Directions (27-30): In these questions, a relationship between different elements is shown in the statements. The statements are followed by two conclusions. Give answer

Q27.

Statement:

$P < Q = G < D \leq E < F > M$

Conclusions:

I. $M \geq Q$

II. $M < G$

- (a) If only conclusion I is true
- (b) If only conclusion II is true
- (c) If neither conclusion I nor II is true
- (d) If either conclusion I or II is true
- (e) If both conclusions I and II are true

Q28.

Statement:

$M \geq K > A > S = H > D > B$

Conclusions:

I. $A > B$

II. $K < D$

- (a) If both conclusions I and II are true
- (b) If only conclusion I is true
- (c) If neither conclusion I nor II is true
- (d) If either conclusion I or II is true
- (e) If only conclusion II is true

Q29.

Statements:

$A \geq K; N < T; M \geq N; K \geq T$

Conclusions:

I. $K \geq N$

II. $A > M$

- (a) If only conclusion II is true.
- (b) If either conclusion I or II is true.
- (c) If neither conclusion I nor II is true.
- (d) If only conclusion I is true.
- (e) If both conclusions I and II are true.

Q30.

Statements:

$J > T$; $R \leq N$; $T > R$; $N < M$

Conclusions:

I. $R < M$

II. $J > M$

- (a) If only conclusion II is true.
- (b) If only conclusion I is true.
- (c) If neither conclusion I nor II is true.
- (d) If either conclusion I or II is true.
- (e) If both conclusions are true.

Directions

below:

756 946

Q31. If '1' is replaced by '4' in each number, which of the following numbers will be arranged in ascending order from right to left?

- (a) 549
- (b) 946
- (c) 756
- (d) 291
- (e) 845

Q32. If in each of the numbers, the first and the third digits are interchanged, then which of the following numbers will be the lowest?

- (a) 946
- (b) 291
- (c) 756
- (d) 549
- (e) 845

Q33. If the first and the second digits in each number are interchanged, then which number will be the fourth smallest?

- (a) 946
- (b) 291
- (c) 845
- (d) 549
- (e) 756

(a) 5
(b) 2
(c) 4
(d) 9
(e) 8

(a) 946
(b) 291
(c) 845
(d) 549
(e) None of

A certain number of people are sitting in a row such that the following conditions are satisfied:

- Three persons are sitting to the right of S. U sits in the middle of the row. T sits exactly between S and U.
- Q sits to the left of R. The right of R is V.
- Two more than P sits to the left of Q.
- Two more than J and T who does not sit next to each other.

(a) R
(b) T
(c) Unknown
(d) S
(e) None of

(a) Four
(b) Six
(c) Seven
(d) Five
(e) None of these

(a) Third to the left
(b) Second to the left
(c) Immediate right
(d) Second to the right
(e) None of these



Q39. In a class Piyush is 10th from the top and Aarya is 20th from the bottom. Naveen is 11 ranks above Aarya and 21 ranks below Piyush. How many students are there in the class?

- (a) 60
- (b) 61
- (c) 62
- (d) 58
- (e) None of these

Q40. How many such pair of letters are there in the word "HOUSEFUL", each of which has as many letters between them in the word as they have in English alphabet (from the both forward and backward)?

- (a) Four
- (b) Two
- (c) One
- (d) Three
- (e) More than three

Directions: In each question, there are two statements labeled I and II. You have to solve both statements and mark the answer.

Q41.

- I. $2x^2 - 5x - 7 = 0$
- II. $2y^2 - 16y + 32 = 0$

- (a) if $x > y$
- (b) if $x < y$
- (c) if $x \geq y$
- (d) if $x \leq y$
- (e) if $x = y$ or no relation between x and y

Q42.

- I. $2x^2 - 9x + 10 = 0$
- II. $3y^2 - 7y + 4 = 0$

- (a) if $x > y$
- (b) if $x < y$
- (c) if $x \geq y$
- (d) if $x \leq y$
- (e) if $x = y$ or there is no relation between x and y

Q43.

- I. $x^2 + 11x + 24 = 0$
- II. $4y^2 + 13y + 10 = 0$

- (a) if $x > y$
 (b) if $x < y$
 (c) if $x \geq y$
 (d) if $x \leq y$
 (e) if $x = y$ or there is no relation between x and y

Q44.

I. $2x^2 + 13x + 21 = 0$

II. $y^2 + 6y + 9 = 0$

- (a) if $x > y$
 (b) if $x < y$
 (c) if $x \geq y$
 (d) if $x \leq y$
 (e) if $x = y$ or there is no relation between x and y

Q45.

I. $3x^2 - x - 2 = 0$

II. $4y^2 - 2y - 2 = 0$

- (a) if $x > y$
 (b) if $x < y$
 (c) if $x \geq y$
 (d) if $x \leq y$
 (e) if $x = y$ or there is no relation between x and y

Directions: Read the given information carefully and answer the following questions.

There are four hospitals, i.e., P, Q, R and S. In hospital P, number of male patients are 120 and number of female patients are 100 more than that of number of male patients in hospital Q.

In hospital R, number of male patients are 150 and number of female patients are 100 more than that of number of male patients in hospital Q.

In hospital S, number of male patients are 180 and number of female patients are 100 more than that of number of male patients in hospital Q.

In hospital P, number of male patients are 120 and number of female patients are 100 more than that of number of male patients in hospital Q.

Average of number of female patients in hospital P and that of in hospital S is 223. Number of male patients in hospital S is 98 less number male patients in hospital Q.

Q46. Find difference between number of male patients and female patients in S is what percent of difference between number of male patients and female patients in Q?

- (a) 53%
 (b) 58%
 (c) 63%
 (d) 60%
 (e) 57.5%

Q47. Find difference between total number patients in hospital P and total number patients in hospital S?

- (a) 108
- (b) 118
- (c) 112
- (d) 98
- (e) 128

Q48. Find ratio of total number of patients in Q to that of in R?

- (a) 3: 5
- (b) 2: 5
- (c) 3: 4
- (d) 4: 5
- (e) 6: 5

Q49. If 20% of male patients in P and 10% of female patients in Q have recovered from their ailments, then find the total number of patients in all the hospitals,

- (a) 239.5
- (b) 235
- (c) 250.5
- (d) 240.5
- (e) 245.5

Q50. Total number of male patients in P and female patients in R together is what percent more than number of male patients in Q?

- (a) 100%
- (b) 125%
- (c) 150%
- (d) 137.5%
- (e) 175%

Directions (51-55): What will come in place of (?) in the following number series?

Q51. 150, 186, 106, 230, ?, 274

- (a) 94
- (b) 88
- (c) 62
- (d) 80
- (e) 74

Q52. 6, 6, 12, 48, ?, 6144

- (a) 354
- (b) 374
- (c) 388
- (d) 382
- (e) 384

Q53. 680, 675, 660, 615, 480, ?

- (a) 75
- (b) 120
- (c) 110
- (d) 95
- (e) 55

Q54. ?, 328,

- (a) 369
- (b) 382
- (c) 375
- (d) 362
- (e) 387

Q55. ?, 172,

- (a) 225
- (b) 3375
- (c) 196
- (d) 2744
- (e) 2197

Directions
questions.

(b): what approximate value should replace of the following

Q56. 45.01% of $599.99 \div \{(25.02 + 14.99)\% \text{ of } 499.94\} = ? \div 39.978$

- (a) 62
- (b) 48
- (c) 54
- (d) 58
- (e) 46

Q57. $\frac{?-80.03}{14.99 \times 24.01}$ of $432.02 \times 24.96 = 4799.98$

- (a) 260
- (b) 230
- (c) 250
- (d) 270
- (e) 240

Q58. $(?)^2 = 210.05\% \text{ of } 799.99 + (38.01)^2 + 108.03 \times 8.99$

- (a) 64
- (b) 54
- (c) 84
- (d) 94
- (e) 74

Q59. $? \times 23.01 = 24.04 \times 44.99 + 820.01 - 60.03\% \text{ of } 2399.99$

- (a) 20
- (b) 50
- (c) 40
- (d) 80
- (e) 60

Q60. $? \% \text{ of } 3500.02 = 1683.98 - 487.998 - 30.97\% \text{ of } 1599.99$

- (a) 40
- (b) 30
- (c) 25
- (d) 20
- (e) 35

Q61. Ankit invested Rs. 'P' at the rate of 7.5% p.a. for 4 years and Rs. 'Q' at the rate of 6% p.a. for 3 years. The total simple interest earned on both investments is Rs. 10, then find the value of P.

- (a) Rs. 720
- (b) Rs. 640
- (c) Rs. 840
- (d) Rs. 750
- (e) Rs. 800

Q62. B is twice as old as C. The sum of the present age of B and C is 38 years. Find present age of C is what percent less than present age of A and B together?

- (a) $4\frac{2}{9}\%$
- (b) $11\frac{6}{11}\%$
- (c) $5\frac{1}{5}\%$
- (d) $13\frac{2}{7}\%$
- (e) $8\frac{1}{3}\%$

Q63. Pipe P alone takes 20% less time than that of pipe Q alone to fill a tank. When both pipes together open for 8 hours in the same tank, then 90% of the tank filled. Find difference between their individual time to fill the same tank?

- (a) 4.5 hours
- (b) 4 hours
- (c) 5 hours
- (d) 6 hours
- (e) 8 hours

Q64. The ratio of the radius and height of a cylinder is 7: 12. If its volume is 6237 cm^3 then find difference

- (a) 700 cm^2
- (b) 686 cm^2
- (c) 679 cm^2
- (d) 672 cm^2
- (e) 693 cm^2

Q65. The ratio of the profit of P and Q is 5 and 4 respectively. If P's profit is twice of Q's profit, then find the ratio of the profit of P and Q.

- (a) $33\frac{1}{3}\%$
- (b) $28\frac{1}{3}\%$
- (c) $44\frac{1}{6}\%$
- (d) 50%
- (e) $26\frac{1}{4}\%$

Directions
publishers

Month Publisher	February	March	April	May
A	2000	2400	1800	2500
B	1500	1850	2000	2100
C	1750	2000	2250	2400
D	1200	1350	800	1250

Q66. What is the average no. of books published by A in all the given months?

- (a) 1740
- (b) 2275
- (c) 2050
- (d) 2175
- (e) 2250

Q67. Books published by B in February and March together is what percent more/less than that by C in March and April? (approximate)

- (a) 21%
- (b) 24%
- (c) 16%
- (d) 12%
- (e) 27%

Q68. Find the ratio of books published by A in April to books published by C in March.

- (a) 23 : 45
- (b) 24 : 43
- (c) 42 : 23
- (d) 41 : 25
- (e) 23 : 42

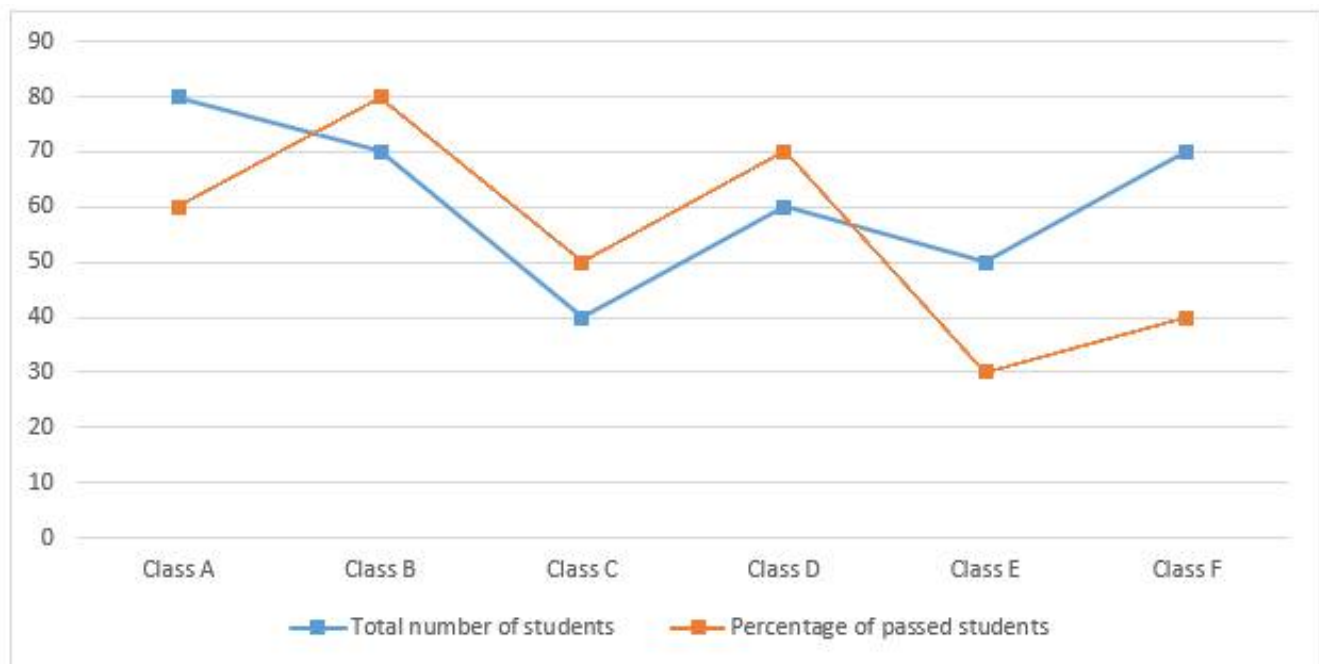
Q69. Find the ratio of books published by A in April to books published by C in March. If the books are sold at the same selling price, how much more/less than the cost price of each book is the profit for the publishers? (Note - cost price is the price at which the publisher buys the book and the selling price is the price at which the publisher sells the book.)

- (a) Rs 50,000
- (b) Rs 40,000
- (c) Rs 55,000
- (d) Rs 70,000
- (e) Rs 60,000

Q70. Books published by A in April is what percent of book published by C in March?

- (a) $\frac{1000}{9}\%$
- (b) 90%
- (c) 10%
- (d) $\frac{100}{9}\%$
- (e) 75%

Directions (71-75): Line chart given below shows total number of students in six different classes(A, B, C, D, E & F) and percentage of passed students out of total number of students in these six classes. Study the line charts carefully and answer the following questions.



Note – (i) Total number of students in any class = Number of students who passed + Number of failed students
(ii) All students are required to appear in all subjects

Q71. Find the difference between the number of students in class A & B is how much more or less than average number of students in class C & E?

- (a) 45
- (b) 40
- (c) 35
- (d) 25
- (e) 15

Q72. Total number of passed students in class A & F together is what percentage of total number of students in class E?

- (a) 102%
- (b) 120%
- (c) 162%
- (d) 110%
- (e) 152%

Q73. Find the ratio of total number of passed students in class A & B together to total number of failed students in class C & E together?

- (a) 101:55
- (b) 103:50
- (c) 101:51
- (d) 104:55
- (e) 103:53

Q74. Find the average number of students in class A, B & D?

- (a) 64
- (b) 58
- (c) 70
- (d) 80
- (e) 72

Q75. If in a class, the number of passed students is 100% more than the number of failed students, then find the number of passed students in the class.

- (a) 35
- (b) 44
- (c) 32
- (d) 40
- (e) 42

Q76. A boat covers 192 km in a stream in 4 hours. If speed of boat in still water is 200% more than speed of stream, then find time taken by boat to cover 240 km in downstream.

- (a) 3 hours 45 minutes
- (b) 3 hours 30 minutes
- (c) 4 hours 45 minutes
- (d) 4 hours 30 minutes
- (e) 5 hours 45 minutes

Q77. Length of rectangle is 5m more than side of square, whose area is 225m^2 . Ratio of length to breadth of rectangle is 5 : 4, then find perimeter of rectangle.

- (a) 60m
- (b) 68m
- (c) 84m
- (d) 90m
- (e) 72m

Q78. Vinit made a loss of 15% on selling his scooter. If he had sold it for Rs. 1500 more, he would have made a profit of 5%. Find the selling price when it is sold at 10% profit?

- (a) Rs. 8050
- (b) Rs. 8250
- (c) Rs. 8170
- (d) Rs. 8350
- (e) Rs. 8150

Q79. Ayush can travel from his house to office in 'a' hours if he does not stop at any place. If he increases his speed by 25%, he reaches his office 15 minutes earlier. If he travels 48 km then find value of a.

- (a) 5
- (b) 4
- (c) 2.5
- (d) 2
- (e) 3

Q80. There are three numbers. The second number is 1/3 of the first number, while the third number is 1/2 of the second number. If the sum of the three numbers is 126 and that of the first and third number is 100, then find the first number.

- (a) 180
- (b) 120
- (c) 140
- (d) 156
- (e) None of these

