

RRB PO Pre 2022 (21st August) Shift-Wise Previous Year Paper Mock 08

Directions (1-5): Study the information carefully and answer the questions given below.

Six persons sit in a row and facing to the north direction. All have different ages – 15, 18, 20, 21, 25 and 33. V sits immediate right of the one who is 18 years old. Three persons sit between V and P who sits at one of the extreme ends of the row. M sits 2nd to the right of T who is not 18 years old. V's age is equal to the sum of the ages of T and M. The age of Q is a square value of an odd number and sits to the left of S. P is not younger than S.

Q1. How many persons sit between T and the one who sits 3rd to the right of P?

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

Q2. What is the position of the one who is 25 years old?

- (a) 3rd to the right of P
- (b) Immediate right of T
- (c) 2nd to the right of P
- (d) 3rd to the right of T
- (e) Immediate right of V

Q3. How many persons are younger than V?

- (a) 25
- (b) 18
- (c) 21
- (d) 33
- (e) None of these

Q4. Four of the following are true. Which one is false?
does not belong to the one who is 15 years old

- (a) V
- (b) The one who is 15 years old
- (c) M
- (d) The one who is 25 years old
- (e) S

Q5. V sits ____ to the right of ____?

- (a) 2nd, Q
- (b) 3rd, M
- (c) 4th, S
- (d) 2nd, the one who is 25 years old
- (e) Both (a) and (d)

Directions (6-8): Study the information carefully and answer the questions given below.

Five countries fighter planes do air force exercise. Russia plane is 10km north of China plane. Port O is exactly in the middle of the point of Russia plane and China plane. Germany plane is 8km east of China plane. India plane is 8km east of port O. USA plane is 6km north of India plane.

Q6. What is the shortest distance between USA and Germany plane?

- (a) 12km
- (b) 11km
- (c) 8km
- (d) 6km
- (e) 14km

Q7. If Germany plane is 8km east of China plane with respect to the point of Russia plane, then what is the direction of USA plane with respect to the point of India plane?

- (a) North-east
- (b) South-west
- (c) North-west
- (d) South-east
- (e) North

Q8. What is the shortest distance between USA plane and Germany plane?

- (a) 12km
- (b) 14km
- (c) 8km
- (d) 6km
- (e) None of these

Directions (9-10): Study the information carefully and answer the questions given below:

Six persons A, B, C, D, E and F were born in the same month but not necessarily in same order. No one was born between D and K. K was born just before Q who was born just before S. T was born in the month which has even numbers of days. L was born before D but not born just before.

Q9. Who among the following person was born in June?

- (a) K
- (b) D
- (c) Q
- (d) L
- (e) None of these

Q10. How many persons were born before Q?

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

Q11. In which of the following month L was born?

- (a) June
- (b) July
- (c) August
- (d) September
- (e) None of these

Q12. Who is the father of P?

- (a) T
- (b) S
- (c) D
- (d) K
- (e) None of these

Q13. Four of the following are in certain way but one which does not belong to that group. Find out the one which does not belong to that group.

- (a) L
- (b) Q
- (c) D
- (d) K
- (e) S

Q14. If we rearrange the letters of the word 'ENSURE', to form another word, which of the following is not a possible word? If more than one word is possible, mark X as your answer.

- (a) E
- (b) X
- (c) R
- (d) Y
- (e) U

Directions (15-19): In each question below some statements are given followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts.

Q15. Statements:

Some Silent are Mute.

No Good is Silent.

Only a few Mute is Sound.

Conclusions:

I. All Sound being Silent is a possibility.

II. Some Mute is not Good

(a) Only I follows

(b) Both I and II follow

(c) Only II follows

(d) None follows

(e) None of these

Q16. Statements:

Only Purple is Olive

Some Olive is Green

Only a few Green is Blue

Conclusions:

I. Some Olive is Blue

II. Some Purple is Green

(a) Only I follows

(b) Both I and II follow

(c) Only II follows

(d) Either I or II follows

(e) None follows

Q17. Statements:

Only a few Computers are People

No People is Social

Only a few Computers are Disturbed

Conclusions:

I. Some Disturbed are Computers

II. All Social is Crowd.

(a) Only II follows

(b) Both I and II follow

(c) Only I follows

(d) Either I or II follows

(e) None follows

Q18. Statements:

Only Worm is Virus.

All Harm is Worm.

few Health is Harm.



Conclusions:

- I. Some Harm being Virus is a possibility
II. Some Worm being Health is a possibility
(a) Only I follows
(b) Both I and II follow
(c) Only II follows
(d) Either I or II follows
(e) None follows

Q19. Statements:

Some Day are Night.

No Night is Day.

Only a few Day are Night.

Conclusion:

I. Some Day are Night.

II. All Light are Day.

(a) Only II follows

(b) Both I and II follow

(c) Only I follows

(d) Either I or II follows

(e) None follows

Directions:

Eight persons

and some of them

N sits third from

second to the right

of M faces the

direction. S sits

immediate right of N.

Q20. Who among the following

(a) S

(b) R

(c) Q

(d) P

(e) None of these

Q21. Who among the following faces R?

(a) O

(b) S

(c) N

(d) M

(e) None of these

Q22. How many persons sit between P and M, when counted right of P?

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

Q23. Which of the following statement is true about N?

- (a) N faces the same direction as M
- (b) P sits opposite to N
- (c) N sits immediately to the right of M
- (d) R sits second to the right of N
- (e) None is true

Q24. Who sits to the right of Q?

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

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

There are seven members in a family, V, W and X are males and Y, Z, T and S are females. V is married to Z. W is grandfather of Y who has two children. U is sister-in-law of Y who is married to brother-in-law of S who is brother-in-law of X.

Q25. How X is related to Y?

- (a) Uncle
- (b) Brother
- (c) Mother
- (d) Sister
- (e) Grandson

Q26. Who among the following is the father of W?

- (a) U
- (b) T
- (c) X
- (d) Y
- (e) None of these

Q27. If Z is the husband of Y, then how T is related to Z?

- (a) Father-in-Law
- (b) Son
- (c) Brother-in-Law
- (d) Uncle
- (e) None of these

Q28. The position of how many alphabets will remain unchanged if each of the alphabets in the word 'TRANSTROMER' is arranged in alphabetical order from left to right?

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

Q29. Which of the following is the correct expression to make N a necessary condition for A = G ≥ B, N?

- (a) $A > B$
- (b) $A = B$
- (c) $A \leq B$
- (d) $A < B$
- (e) None of these

Directions: Answer the following questions.

Q30. If all the numbers are arranged in ascending order from left to right, which number will come in the middle?

- (a) 628
- (b) 593
- (c) 723
- (d) 562
- (e) None of these

Q31. If all the digits are arranged in descending order within the number, then which number will be the lowest number?

- (a) 593
- (b) 437
- (c) 562
- (d) 628
- (e) None of these

Q32. If in each number first and second digit are added and then subtract third digit from the resultant, after performing the operation how many numbers will be greater than 10?

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

Q33. If the third digit of the 2nd highest number is divided by the second digit of the highest number, then what will be the resultant?

- (a) 4
- (b) 3
- (c) 2
- (d) 5
- (e) None of these

Q34. If all the numbers are arranged in descending order, which number will be the highest?

- (a) 593
- (b) 437
- (c) 562
- (d) 628
- (e) None of these

Directions: Read the statements and conclusions given below and select the appropriate answer from the options given. The answer is shown in the box on the right.

Q35.

Statements:

$F > R = T \geq Y > W \leq Q \leq P$

Conclusions:

I. $Q > R$

II. $P > T$

- (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.

Q36.

Statements:

$S > F \geq H = U \leq B \leq N = K < L$

Conclusions:

I. $N > H$

II. $K = H$

-
- (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.

Directions (37-40): Study the following information carefully and answer the questions given below:

There are Ten friends E, F, G, H, I, J, K, L, M and N sitting around a circular table facing towards the center of the table. M sits third to the right of E. G sits fourth to the right of M. There are as many persons sit between M and F as between M and H. There are as many persons sit between G and H. I sits second to the right of F. There are as many persons sit between I and

Q37. Who sits

- (a) K
- (b) G
- (c) I
- (d) E
- (e) N

Q38. Who sits exactly between I and

- (a) J
- (b) M
- (c) F
- (d) K
- (e) E

Q39. Who sits

- (a) I
- (b) N
- (c) L
- (d) M
- (e) None of these

Q40. Who among the following sits second to the right of G?

- (a) N
- (b) L
- (c) E
- (d) K
- (e) H

Directions (41-46): Study the table given below and answer the following questions.

Table gives information about total number of smart phone users in 3 different offices (A, B and C) in 1999 & 2000 and also gives information about total number of IOS phone users in these three offices in 1999 & 2000.

Offices	Years			
	1999		2000	
	Total smart phone users	Total IOS phone users	Total smart phone users	Total IOS phone users
A	720	360	900	450
B	360	180	600	180
C	450	270	400	120

Note: Total

Q41. If average number of smart phone users in 1999 in find total

- (a) 540
- (b) 480
- (c) 420
- (d) 600
- (e) 360

Q42. Total number of smart phone users in A & B together in 2000 is what percent of total number of smart phone users in A & C together in 2000? or less than

- (a) 27%
- (b) 42%
- (c) 37%
- (d) 30%
- (e) 45%

Q43. Find the total number of smart phone users in 1999 in all three offices

- (a) 720
- (b) 640
- (c) 680
- (d) 760
- (e) 800

Q44. Average number of smart phone users A, B & C in 1999 are what percent of total smart phone users in B in 2000?

- (a) 95%
- (b) 85%
- (c) 75%
- (d) 55%
- (e) 65%

Q45. Find ratio of total number of android phone users in B in 2000 to total number of android phone users in C in 2000?

- (a) 5:4
- (b) 4:5
- (c) 2:3
- (d) 3:2
- (e) None of the above.

Q46. Total number of IOS phone users in A, B & C together in 1999 are how much more or less than total number of IOS phone users in A, B & C together in 2000?

- (a) 140
- (b) 60
- (c) 180
- (d) 90
- (e) 100

Q47. A vessel contains 48 liters of water. The quantity of water in the mixture is 112 liters, then the quantity of water in the vessel initially is

- (a) 22 liters
- (b) 32 liters
- (c) 30 liters
- (d) 18 liters
- (e) 16 liters

Q48. A and B started a business in the ratio 7 : 8. They got an annual profit of Rs. 34450. If A withdrew his share amount at the end of 9 months then find the difference in their share in profit?

- (a) Rs 6400
- (b) Rs 8180
- (c) Rs 7150
- (d) Rs 6450
- (e) Rs 7560

Q49. A alone takes 60% more time than A & B takes together to finish a piece of work. If B alone can finish the same work in 160 days, then find in how much day's A alone can finish the work?

- (a) 45 days
- (b) 96 days
- (c) 120 days
- (d) 84 days
- (e) 136 days

Q50. Diameter of a cylindrical jar is increased by 25%. By what percent must the height be decreased so that there is no change in its volume?

- (a) 18%
- (b) 25%
- (c) 32%
- (d) 36%
- (e) None of these

Q51. A table was sold at Rs 2520 after giving 30% discount on market price. If discount was not given on table, then he would have earned 50% profit. Find cost price of table?

- (a) Rs 2400
- (b) Rs 2560
- (c) Rs 2000
- (d) Rs 1600
- (e) Rs 1800

Q52. Satish invested Rs 10000 in a scheme. After 2 years, he received Rs 12000. Find the amount of interest earned after 2 years.

- (a) 6000
- (b) 7000
- (c) 8000
- (d) 9000
- (e) 10,000

Q53. A train crosses a platform of 100 m length completely in 22 seconds. It covers a platform of 200 m length in 24 seconds. Find the speed of the train?

- (a) 12
- (b) 15
- (c) 18
- (d) 20
- (e) 24

Q54. A boat takes $\frac{1}{120}$ D hours more to cover a certain distance in upstream than in downstream. If speed of boat in downstream in 30 km/h. Find speed of boat in upstream?

D = Distance in upstream = Distance in downstream

- (a) 24 km/h
- (b) 27 km/h
- (c) 20 km/h
- (d) 25 km/h
- (e) 18 km/h

Q55. Ratio of area of rectangle to area of square is 1 : 4. Ratio of perimeter of rectangle to perimeter of square is 1 : 2. If length is 5 cm, then find area of square ?

- (a) None of these
- (b) 64 cm^2
- (c) 125 cm^2
- (d) 25 cm^2
- (e) 100 cm^2

Directions (56-60):- Read the data carefully and answer the question.

On a store there are three items available i.e. (book, bat and calculator). Bat and calculator are available in three sizes (small, medium and large). The store offers 20% discount on the price of book and earn 20% profit on the price of bat. The price of calculator is 1/3rd of the price of book and small size calculator costs 1/4th of the price of large size of its respective item.

Q56. What is the ratio of the price of small size bat to the price of large size bat?

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

Q57. Average price of a book is how much percent more than the price of a calculator?

- (a) 10% less
- (b) 25% less
- (c) 25% more
- (d) 15% more
- (e) None of these

Q58. If a large calculator is sold at a profit of 20%, then the profit earned on selling such a calculator is:

- (a) Rs. 36
- (b) Rs. 108
- (c) Rs. 18
- (d) Rs. 54
- (e) Rs. 72

Q59. Cost price of a book is what percent of $\frac{5}{4}$ th of cost price of a medium size bat?

- (a) 25%
- (b) 50%
- (c) 20%
- (d) 15%
- (e) 60%



Q60. If all large items are sold at 25% profit, find average profit earned on selling three large size calculator and 2 large bats?

- (a) 162
- (b) 172
- (c) 180
- (d) 200
- (e) 210

Directions (61-65): Solve the given quadratic equations and mark the correct option based on your answer.

Q61.

I. $x^2 + 14x + 33 = 0$

II. $y^2 - 7y + 10 = 0$

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

Q62.

I. $2x^2 - 16x + 24 = 0$

II. $y^2 - 17y + 72 = 0$

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

Q63.

I. $x^2 - 18x + 56 = 0$

II. $y^2 - 11y + 30 = 0$

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

Q64.

I. $x^2 = 529$

II. $y = \sqrt{529}$

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

Q65.

I. $x^2 - 21x + 38 = 0$

II. $y^2 - 38y + 361 = 0$

- (a) if $x > y$
(b) if $x \geq y$
(c) if $x < y$
(d) if $x \leq y$
(e) if $x =$

Directions
questions?

will

e following

Q66. $?^2 = 49.01 + 40.099\% \text{ of } 199.98 - 28.99$

- (a) 15
(b) 12
(c) 11
(d) 10
(e) 13

Q67. $24.99\% \text{ of } 119.96 + 20.10\% \text{ of } 499.99 = ?$

- (a) 130
(b) 150
(c) 90
(d) 160
(e) 200

Q68. $124.95 \div 25.01 + 49.90 - 19.99\% \text{ of } 120.20 = ?$

- (a) 21
(b) 26
(c) 31
(d) 39
(e) 41

Q69. $\sqrt{960.93} \times 11.9 - 172.1 = (?)^2 \div 2$

-
- (a) 15
 - (b) 20
 - (c) 18
 - (d) 12
 - (e) 17

Q70. $231.001 + 320.001 \div 9.999 = ? - 11.909$

- (a) 270
- (b) 316
- (c) 253
- (d) 275
- (e) 305

Directions
series?

ng number

Q71. 983,

- (a) 1280
- (b) 1278
- (c) 1276
- (d) 1274
- (e) 1272

Q72. 0, 6,

- (a) 80
- (b) 90
- (c) 120
- (d) 150
- (e) 180

Q73. 16, 1

- (a) 30
- (b) 24
- (c) 18
- (d) 27
- (e) 36

Q74. 786, 1810, 2066, 2130, 2146, ?

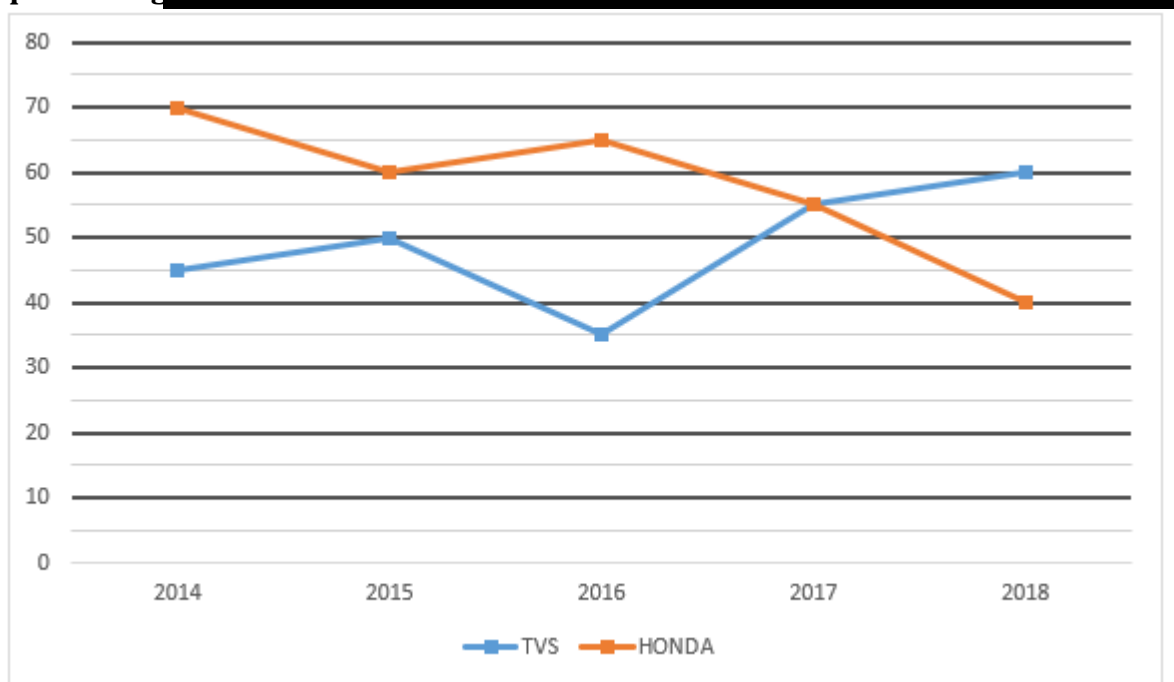
- (a) 2152
- (b) 2150
- (c) 2156
- (d) 2160
- (e) 2164



Q75. 9, 5, 6, 14, ?, 488

- (a) 30
- (b) 45
- (c) 52
- (d) 56
- (e) 60

Directions (76-80):- Line-graph shows number of people (in hundred) using two different types of bike services over the five different years. Study the given line graph carefully and answer the questions given below:



Q76. What

- (a) 6400
- (b) 4900
- (c) 5800
- (d) 6125
- (e) 6800

the years?

Q77. Find the ratio of number of people using the HONDA service in year 2015 and 2016 together to number of people using the TVS service in year 2017 and 2014 together.

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

Q78. What is the difference between number of people using TVS service all over the years (excluding 2016) and number of people using HONDA service all over the years (excluding 2015)?

- (a) 2000
- (b) 2500
- (c) 3500
- (d) 1500
- (e) none of these

Q79. Total bike service in year 2018 is what percentage more/less than the total bike service in year 2014?

- (a) $45\frac{4}{9}\%$
- (b) $55\frac{5}{9}\%$
- (c) $54\frac{4}{9}\%$
- (d) $65\frac{5}{9}\%$
- (e) $64\frac{4}{9}\%$

Q80. If per more than HONDA TVS in year
2015 is wh ost of HONDA in sar

- (a) 125%
- (b) 150%
- (c) 200%
- (d) 100%
- (e) 50%

