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# **RRB Clerk Prelims**

**Memory Based Paper  
10 Aug, 2024 Shift 1**



## 80 Questions

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**Que. 1** **Direction:** Study the given information carefully and answer the following questions.

Seven people P, Q, R, S, T, U and V live on different floors in the same building having seven floors numbered one to seven. The first floor is numbered one, the floor above it is numbered two and so on till the topmost floor is numbered as seven.

Three persons live between Q and V. V lives on the floor immediately above U, who does not live on an odd numbered floor. Two persons live between Q and R. P does not live below S. The number of people living above T is equal to the number of people living below V.

Who lives on the floor just above S?

1. S
2. P
3. Q
4. U
5. T

Correct Option - 4

**Que. 2** How many persons live below the floor on which R live?

1. 3
2. 5
3. 2
4. 6
5. 4

Correct Option - 1

**Que. 3** P lives on which of the following floor number?

1. 2
2. 6
3. 4
4. 1
5. 5

Correct Option - 2

**Que. 4** Which of the following pairs lives on the first floor and the topmost floor respectively?

1. S, Q
2. T, S
3. Q, S
4. P, S

5. T, R

Correct Option - 1

**Que. 5** S is related to floor number 4, R is related to floor number 7 in a certain way. V is related to which of the following floor number in the same way?

1. 1
2. 6
3. 3
4. 5
5. 2

Correct Option - 2

**Que. 6** **Direction:** Study the given information carefully and answer the following questions.

A man started from his house and travels 8 km eastwards to point P and then turns right and travels 4 km to reach Q. He again turns right and travels 3 km to reach R. He then turns left and travels the same distance he covered between P and Q and reaches S. Lastly he turned right and travelled 5 km to reach his office.

In which direction is his office if calculated from the starting point?

1. East
2. South – East
3. North – West
4. West
5. South

Correct Option - 5

**Que. 7** What is the shortest distance between P and S?

1. 12 km
2.  $\sqrt{23}$  km
3.  $\sqrt{73}$  km
4.  $\sqrt{72}$  km
5. 3 km

Correct Option - 3

**Que. 8** In which direction is the point S if calculated from the starting point?

1. North
2. South-East
3. South-West
4. East
5. West

Correct Option - 2

**Que. 9** **Direction:** Study the following information carefully and answer the given questions.

In a certain code language,

‘quoted the project agenda’ is written as ‘ac ce aa ae’,  
‘call added the plan’ is written as ‘cc aa ba ab’,  
‘project plan for people’ is written as ‘cc ee ac ea’  
‘agenda project people plan’ is written as ‘ac cc ee ce’

Which of the following means ‘quoted’ in that code language?

1. ac
2. ce
3. aa
4. Either (1) or (2) or (3)
5. ae

Correct Option - 5

**Que. 10** Code ‘ab’ is for which word in the given language?

1. call
2. added
3. the
4. plan
5. Either 1) or 2)

Correct Option - 5

**Que. 11** What would be the code for ‘call for agenda’?

1. ac ae ba
2. ab ba ce
3. ca cc ac
4. ce ea ba
5. ab ee ba

Correct Option - 4

**Que. 12** Which of the following means ‘agenda’ in that code language?

1. ac
2. cc
3. ce
4. Either (1) or (2) or (3)

5. ae

Correct Option - 3

**Que. 13** Which of the following means 'for' in that code language?

1. ea
2. ee
3. ac
4. Either (1) or (2) or (3)
5. cc

Correct Option - 1

**Que. 14** How many pairs of letters are there in the word "ZYGOTENES" each of which has as many letters between them in the word (in the backward direction) as they have between them in the English alphabetical order

1. Three
2. Four
3. One
4. Five
5. Two

Correct Option - 3

**Que. 15** If it is possible to make only one 4 letters meaningful word without repetition of the letter with the second, sixth, eighth and twelfth letters of the word 'ACQUAINTANCE', which would be the third letter of the word? If more than one such word can be formed, give X as the answer. If no such word can be formed, give K as your answer.

1. I
2. E
3. T
4. K
5. X

Correct Option - 5

**Que. 16** **Direction:** Study the following information carefully and answer the question given below.

Renu, Raj, Kamal, Sarita, Aditya and Gaurav are six friends who have their birthdays either on 11th or 18th of three different months - March, May and November but not necessarily in the same order. No two persons have a birthday on the same day. Raj has a birthday on the 18th of the month. Renu does not have her birthday in the last. Number of persons having birthdays before Kamal is same as the number of persons having birthdays after Raj. Only two persons have a birthday before Gaurav. Renu has a birthday in a month having 30 days. Not more than two persons have a birthday after Sarita. Raj and Aditya have their birthdays in different months.

How many persons have their birthdays between Raj and Gaurav?

1. Two
2. Three
3. None
4. One
5. Four

Correct Option - 1

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**Que. 17** Who among the following has a birthday on 18th March

1. Sarita
2. Gaurav
3. Aditya
4. Kamal
5. Raj

Correct Option - 3

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**Que. 18** How many people have a birthday after Kamal?

1. Five
2. Four
3. Three
4. Two
5. One

Correct Option - 1

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**Que. 19** Who among the following birthday(s) is between 11th May and 18th November?

1. Only Sarita
2. Only Gaurav
3. Both Sarita and Gaurav
4. Both Sarita and Renu
5. Only Raj

Correct Option - 4

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**Que. 20** Raj's birthday is on which date?

1. 11th March
2. 18th March
3. 11th May
4. 11th November

5. 18th November

Correct Option - 5

**Que. 21** **Direction:** The following questions are based on the five three-digit numbers given below.

447 347 565 842 443

If, in each number, the 1<sup>st</sup> and 3<sup>rd</sup> digits are multiplied, then the resultant of how many numbers will be divisible by 3?

1. One
2. Two
3. Three
4. Four
5. None

Correct Option - 2

**Que. 22** If, in each number, 2 is added to the 2<sup>nd</sup> digit, and then the positions of the 2<sup>nd</sup> and the 3<sup>rd</sup> digits are interchanged, then which number in the given series will give the highest number?

1. 447
2. 347
3. 565
4. 842
5. 443

Correct Option - 4

**Que. 23** If, in each number, 3 is subtracted from the 2<sup>nd</sup> digit, then which number of the given series gives the lowest number?

1. 447
2. 347
3. 565
4. 842
5. 443

Correct Option - 2

**Que. 24** If all the three-digit numbers are arranged in descending order after arranging the digits within each number in descending order, then which of the following will be the highest number?

1. 447
2. 347
3. 565

4. 842
5. 443

Correct Option - 4

**Que. 25** **Directions:** In the question below are given three statements followed by three conclusions I, II, and III. You have to take the given statements to be true even if they seem to be at variance from 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.

**Statements:**

All cups are plates.  
No plate is glass.  
Some glasses are bowls.

**Conclusions:**

I. No cup is a glass.  
II. Some plates being bowls is a possibility.

1. Only I follows
2. Either I or II follows
3. Only II follows
4. Both I and II follow
5. None follow

Correct Option - 4

**Que. 26** **Directions:** In the question below are given three statements followed by two conclusions numbered I and II. 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.

**Statements:**

Only a few books are lights.  
No lights are bulbs.  
Some bulb is clock.

**Conclusions:**

I. All clocks are books.  
II. Some books are not lights.

1. Only I follow
2. Either I or II follow
3. Only II follow
4. None Follow
5. Both I and II follow

Correct Option - 3

**Que. 27** **Direction:** In the question below are given three statements followed by two conclusion numbered I and II. 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.

**Statements:**

All Phone are Mobile.

Only Few Charger are Phone.

No Laptop is a Mobile.

**Conclusion:**

I. Some Mobile is charger.

II. No Laptop is a Phone.

1. Only I follow
2. Only II follow
3. Either I or II follow
4. Neither I nor II follow
5. Both I and II follow

Correct Option - 5

**Que. 28** **DIRECTION:** Study the following information carefully to answer the given questions:

Six persons S, T, U, V, W and X bought six different products viz. Laptop, Mobile, TV, Printer, Hard Disc and Earphone one after other but not necessarily in the same order. No two persons bought the same thing. Not more than three persons bought products before the one who bought earphone. There are two persons who bought products between U and the one who bought Earphone. U neither buy at first nor at last. Two persons bought product between V who bought Laptop and the one who bought TV. U did not buy TV. X bought Hard Disc three persons after T. V did not buy after U. T did not buy earphone. W did not buy TV. Number of persons bought before W is two less than the number of persons bought after T. T did not buy before earphone. The one who bought mobile bought two persons after the one who bought Printer. Printer was not bought immediately before V.

Which of the following statement is incorrect?

1. V bought two persons before the one who bought Printer
2. The one who bought Earphone bought immediately before T
3. There are three persons between the one who bought Printer and the one who bought Hard Disc
4. U bought mobile
5. None of these

Correct Option - 3

**Que. 29** Four of the following five are alike in a certain way. Which of the following does not belong to the group?

1. V- Laptop
2. W- Earphone
3. U- TV

4. X- Hard Disc
5. S- TV

Correct Option - 3

**Que. 30** Who among the following did buy mobile?

1. X
2. V
3. The one who bought immediately after T
4. The one who bought three persons after W
5. The one who bought exactly between V and T

Correct Option - 4

**Que. 31** Who bought at the third position?

1. The one who bought three persons before X
2. The one who bought immediately after the one who bought Laptop
3. None of these
4. The one who bought immediately after the one who bought Earphone
5. Both option 1 and 4

Correct Option - 5

**Que. 32** If W and U interchange their positions, then who among the following bought two persons after U?

1. The one who bought just before the one who bought TV
2. The one who bought immediately above X
3. The one who bought at last
4. The one who bought Laptop
5. The one who bought TV

Correct Option - 5

**Que. 33** **Directions:** In the following question assuming the given statements to be true, find which conclusion among the given conclusions is/are definitely true and then give your answers accordingly.

**Statement:**

$$P > Q = R \geq S; T \geq U \leq V = S$$

**Conclusions:**

- I.  $Q \geq V$
- II.  $P > U$

1. Only I is True
2. Only II is True
3. Either I or II is true

4. Both conclusions I and II are True
5. None is True

Correct Option - 4

**Que. 34** **Direction:** In the following question assuming the given statement to be true. Find which of the following conclusion(s) among given conclusions is/are definitely true then give your answer accordingly.

**Statement:**  $K < L \leq M < N < R \geq S > T$

**Conclusion:**

I.  $R > L$

II.  $K < S$

1. None is true
2. Only II is true
3. Both I and II are true
4. Only I is true
5. Either I or II is true

Correct Option - 4

**Que. 35** **Directions:** In the following questions assuming the given statements to be true, find which of the conclusion among given conclusions is/are definitely true and then give your answers accordingly.

**Statements:**  $Q > P \leq S \geq M = O > R$

**Conclusion I:**  $R < S$

**Conclusion II:**  $Q > O$

1. Only conclusion I follows.
2. Only conclusion II follows.
3. Either conclusion I or II follows.
4. Neither conclusion I nor II follows.
5. Both conclusions I and II follow.

Correct Option - 1

**Que. 36** **Directions:** Read the given information carefully and answer the following questions.

Each of the six persons Somya, Rohit, Chintu, Amit, John, and Preeti has a different number of chocolates. The numbers of chocolates they have are 2, 3, 5, 6, 8, and 10 but not necessarily in the same order.

The Number of chocolate Rohit has is the product of John and Chintu's chocolate. Amit's chocolate is the sum of John and Somya's chocolate. Amit does not have the maximum number of chocolates. Somya has less chocolate than John

Who has the maximum number of chocolates?

1. Amit
2. Preeti

3. Rohit
4. John
5. Chintu

Correct Option - 3

**Que. 37** How many chocolates Preeti has?

1. Ten
2. Eight
3. two
4. Three
5. Six

Correct Option - 5

**Que. 38** What is the difference of the number of chocolates Chintu and Amit have?

1. Six
2. Eight
3. Two
4. Three
5. Ten

Correct Option - 1

**Que. 39** How many such pairs of digits are there in the number '19577142', each of which has as many digits between them in the number (both forward and backward direction) as they have between them in the Numeric Series?

1. 2
2. 3
3. 4
4. 5
5. More than 5

Correct Option - 3

**Que. 40** In the word 'ENVIRONMENT', all the vowels are first arranged alphabetically and then all the consonants are arranged alphabetically and then all the vowels are replaced by the previous letters and the consonants are replaced by the next letters from the English alphabet. Which letter will be the 5th one from the left end?

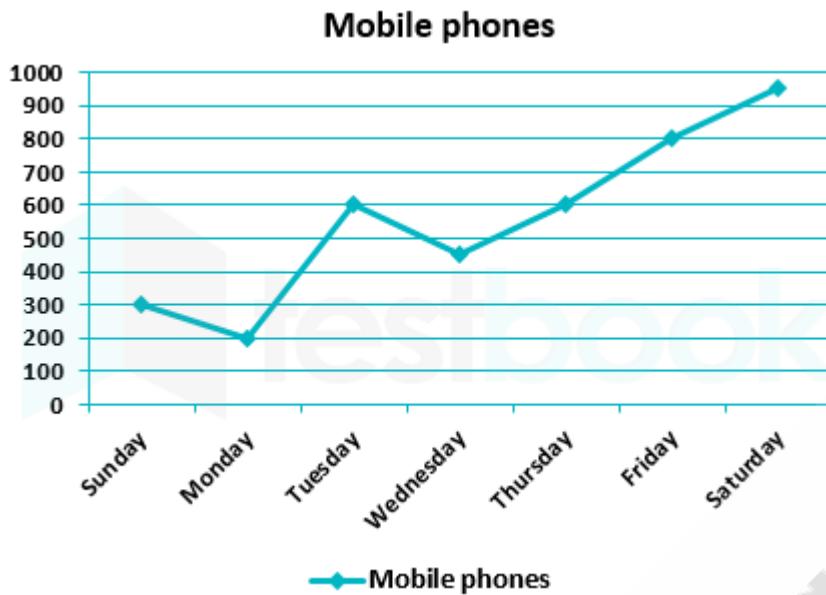
1. O
2. D
3. S
4. W

5. N

Correct Option - 5

**Que. 41** **Direction:** Study the given line graph carefully and answer the given questions accordingly.

Given line graph shows the sales of mobile phones in a showroom on different days of a week.



Which day has the highest percent increase in sales as compared to the preceding day?

1. Tuesday
2. Wednesday
3. Saturday
4. Friday
5. Monday

Correct Option - 1

**Que. 42** Number of mobile phones sold on Wednesday is how much percent of the number of mobile phone sold on Tuesday?

1. 50%
2. 60%
3. 75%
4. 45%
5. 80%

Correct Option - 3

**Que. 43** Find the difference between the highest number of mobiles sold and the lowest number of mobiles sold in the given week?

1. 750

2. 475
3. 950
4. 375
5. 850

Correct Option - 1

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**Que. 44** Find the ratio of the number of mobiles sold on Wednesday and Saturday together to the number of mobiles sold on Sunday, Tuesday and Friday together?

1. 17 : 14
2. 14 : 17
3. 12 : 17
4. 17 : 12
5. 12 : 14

Correct Option - 2

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**Que. 45** What is the total number of mobile phones sold on all the given days?

1. 4100
2. 3700
3. 3900
4. 3950
5. 3600

Correct Option - 3

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**Que. 46** In what time will Rs. 500 give Rs. 50 as interest at the rate of 5% per annum on simple interest?

1. 2 years
2. 3 years
3. 4 years
4. 5 years
5. None of these

Correct Option - 1

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**Que. 47** The ratio of the base to the height of right angled triangle is 5 : 4. If the area of right angled triangle is  $160 \text{ cm}^2$ , what is the height of triangle?

1. 16 cm
2. 18 cm
3. 20 cm
4. 25 cm
5. 12 cm

Correct Option - 1

**Que. 48** Find the value of x.

$$42 \div 6 \times 3 + 5 - (8 + 7) + 123 = x$$

1. 128
2. 134
3. 126
4. 122
5. 118

Correct Option - 2

**Que. 49** What approximate value should come in the place of the question mark (?) in the following question?

$$(34.99 + 24.96 \times 3.98) \div 14.95 + 44.92 = ?$$

1. 40
2. 45
3. 54
4. 60
5. 64

Correct Option - 3

**Que. 50** What approximate value should come in the place of the question mark (?) in the following question?

$$44.96 + 74.99 - 140.25 + \sqrt[4]{?} = 75.12$$

1. 5625
2. 7225
3. 9025
4. 105
5. 2425

Correct Option - 3

**Que. 51** What is the value of the question mark (?) in the equation below?

$$? = 50\% \text{ of } 360 + 25\% \text{ of } 800$$

1. 320
2. 340
3. 360
4. 380
5. 310

Correct Option - 4

**Que. 52** What will come in the place of "?" in the following question?

$$450 / 15 \times (28 - 12) + 32 = ?$$

1. 480
2. 492
3. 512
4. 504
5. 534

Correct Option - 3

**Que. 53** Find the approximate value of x in the following question given below

$$16.98^2 + 6.99^3 - 447.98 \div 8.02 = x^2$$

1. 34
2. 36
3. 28
4. 24
5. 32

Correct Option - 4

**Que. 54** What (approximate value) should come in the place of (?) for the expression given below?

$$599.57 + 5.95 \times 9.79 - 15.87 \div 3.88 = ?$$

1. 656
2. 756
3. 876
4. More than one of the above
5. None of the above

Correct Option - 1

**Que. 55** Simplify:

$$\frac{4}{12} \times \frac{3}{2} \div \frac{4}{8} - 12 + 4$$

1. -8
2. -7
3. 8
4. More than one of the above
5. None of the above

Correct Option - 2

**Que. 56** What is the value of  $\sqrt{513} - \sqrt{144} - \sqrt{81} - \sqrt{64}$

1. 22
2. 21
3. 28
4. More than one of the above
5. None of the above

Correct Option - 1

**Que. 57** What approximate value should come in the place of the question mark (?) in the following question?

$$184.92 - 14.92 \times 5.99 + 71.99 \div 5.95 = ?$$

1. 107
2. 117
3. 127
4. 97
5. 137

Correct Option - 1

**Que. 58** The value of  $(16.5 \times 3 - 35 \div 5 - 3 \times 13.5)$  is

1. 2
2. 12
3. -2.5
4. More than one of the above
5. None of the above

Correct Option - 1

**Que. 59** What approximate value should come in the place of (?) in the following questions?

$$(343.01)^{1/3} + (1023.64)^{1/2} + 55.02\% \text{ of } 810 = 222.02 + 2.2992 + ?$$

1. 261
2. 262
3. 265
4. 263
5. 264

Correct Option - 1

**Que. 60** Find the value of x.

$$x + 276 - 150 = 137 + 264 - 331 + 211$$

1. 185
2. 125
3. 145
4. 155
5. 175

Correct Option - 4

**Que. 61** Find the approximate value of x in the following question given below

$$2308.96 + x - 355.96 + 28.97^2 = 343.95$$

1. -2750
2. -2650
3. -2450
4. -2350
5. -2250

Correct Option - 3

**Que. 62** Find the approximate value of x in the following question given below

$$(35.97 \times 12.01 \div 15.99 + \sqrt{81.18})^2 = x + 25.98^2$$

1. 520
2. 620
3. 625
4. 670
5. 640

Correct Option - 2

**Que. 63** The ratio of the present ages of Sonam and Reeta is 6 : 5 respectively. Five years ago the ratio was 5:4. What will be the age of Sonam after 7 years?

1. 37
2. 32
3. 20
4. Cannot be determined
5. None of these

Correct Option - 1

**Que. 64** A and B together can do a piece of work in 8 days. A alone can do this work in 12 days. In how many days can B alone do the same work?

1. 22
2. 23
3. 24
4. More than one of the above
5. None of the above

Correct Option - 3

**Que. 65** A 100 m long train passes a 350 m long platform in 54 seconds. Another train which is 20% more in length and its speed is also 20% more than that of the first train. In how much time will another train take to cross the platform?

1. 40 sec
2. 47 sec
3. 50 sec
4. More than one of the above
5. None of the above

Correct Option - 2

**Que. 66** Find the missing number in the number series.

82, 84, 90, 102, ?, 152

1. 128
2. 126
3. 122
4. 132
5. 124

Correct Option - 3

**Que. 67** Find the missing number in the series

35, 43, 70, 195, ?, 1869

1. 438
2. 540
3. 538
4. 583
5. 835

Correct Option - 3

**Que. 68** Find the missing number in the series

1, 7, -5, 13, ?, 19

1. 37

2. 35
3. - 37
4. 11
5. - 11

Correct Option - 5

**Que. 69** Find the missing number in the series

15, 21, 29, 39, ?, 65

1. 52
2. 50
3. 51
4. 41
5. 40

Correct Option - 3

**Que. 70** Find the missing number in the series

8, 16, 48, 192, 960, ?

1. 5560
2. 5650
3. 5670
4. 5760
5. 5570

Correct Option - 4

**Que. 71** A and B enter into a partnership. A contributed ₹ 5000 for 8 months and B ₹ 6000 for 5 months. Find A's share in a total profit of ₹ 8400.

1. ₹ 4800
2. ₹ 2400
3. ₹ 3600
4. ₹ 5600
5. None of these

Correct Option - 1

**Que. 72** What is the cost price of an article that is sold at a 10% profit, and the selling price is Rs 11,000?

1. 20,000
2. 14,000
3. 12,500
4. More than one of the above

5. None of the above

Correct Option - 5

**Que. 73** Two numbers are in the ratio 2 : 5. If their product is 810, find the sum of the numbers.

1. 45
2. 81
3. 63
4. 50
5. 49

Correct Option - 3

**Que. 74** The ratio of number of blue and red cards in a pack is 5 : 3. The difference between the number of blue and red cards is 60. Find the total number of cards in a pack.

1. 270
2. 240
3. 180
4. 210
5. 200

Correct Option - 2

**Que. 75** A store man offers a discount of 30% on his items, If Marked price of an item is Rs. 400. Find the Selling price of an item?

1. 400
2. 280
3. 450
4. 600
5. 550

Correct Option - 2

**Que. 76** Directions: The table shows the total number of participants in two different games carrom and chess and number of participants in chess games in four different days in a competition.

Days	Total number of participants in carrom and chess	Number of participants in chess
Monday	400	250
Tuesday	350	150
Wednesday	300	200

Thursday

450

250

If  $\frac{1}{3}$ rd of the number of participants in carrom on Monday and  $\frac{1}{4}$ th of the number of participants in chess on Wednesday are females. Find the sum of the number of females participating in carrom on Monday and in chess on Wednesday.

1. 100
2. 200
3. 150
4. 125
5. 110

Correct Option - 1

**Que. 77** If the number of participants in chess on Monday, Tuesday, Wednesday, and Thursday is increased by 20%, 40%, 50% and 20%. Find the total number of participants in chess from all the days.

1. 1120
2. 1110
3. 1130
4. 1140
5. 1150

Correct Option - 2

**Que. 78** The number of participants in carrom on Friday is 80 more than that of Thursday and the number of participants in chess on Friday is 70 more than that of Thursday. Find the sum between  $\frac{1}{4}$ th of the participants in carrom on Friday and  $\frac{1}{8}$ th of the participants in chess on Friday.

1. 110
2. 120
3. 150
4. 160
5. 130

Correct Option - 1

**Que. 79** Find the ratio between the total number of participants in carrom on Monday and Tuesday to the total number of participants in carrom on Wednesday and Thursday.

1. 7: 6
2. 6: 7
3. 5: 4
4. 3: 2
5. 7: 9

Correct Option - 1

**Que. 80** If 20% of the number of participants in chess on Monday and 1/2 of the number of participants in carrom on Wednesday are pro players. Find the sum of the number of pro players participants in chess on Monday and in carrom on Wednesday.

1. 150
2. 120
3. 100
4. 80
5. 90

Correct Option - 3

