

## 80 Questions

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

There are ten floors in a building. Ten persons P, Q, R, S, T, U, V, W, Y, and Z live on different floors of the building. The lowermost floor is numbered as one; the floor above it is numbered as two and so on. Z lives on the sixth floor. Three persons are living between Z and U. P lives immediately below U. Five persons are living between P and Q. V lives on an even floor and lives immediately above R. W lives one of the floors below R but not immediately below R. W is not living on odd number floor and live above Q's floor. Y lives above T's floor and below S's floor. S does not live on even floor.

Which of the following statements is/are true?

1. Q lives on the topmost floor.
2. S lives on the floor immediately below W.
3. U lives on the floor below Z.
4. P lives on an odd number of floors.
5. Three persons are living between V and R.

Correct Option - 4

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**Que. 2** On which of the floor R lives?

1. First
2. Tenth
3. Second
4. Ninth
5. Seventh

Correct Option - 5

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**Que. 3** How many persons are living between Y and S?

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

Correct Option - 4

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**Que. 4** Which of the following lives on an even number floor?

1. P
2. R
3. Y

4. Q
5. T

Correct Option - 3

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**Que. 5** Who lives on the lowermost floor?

1. U
2. T
3. V
4. R
5. Q

Correct Option - 2

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**Que. 6** **Direction:** In the following question, assuming the given statement to be true, find which of the conclusion(s) among the given conclusions is/are definitely true, and then give your answers accordingly.

**Statement:**

$X > Y \leq W > O; W < K \geq M; K < N > L$

**Conclusions:**

**I.**  $Y < N$

**II.**  $M < N$

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

Correct Option - 1

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**Que. 7** **Direction:** In this question, the relationship between different elements is shown in the statements. The statements are followed by two conclusions, study the conclusion based on the given statements and select the appropriate answer:

**Statements:**  $2 > 4 \geq 20 < 22; 20 \geq 12 > 15; 6 < 13 < 15$

**Conclusions:**

**I.**  $22 > 6$

**II.**  $2 > 13$

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

Correct Option - 3

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**Que. 8** **Direction:** In the following question assuming the given statement to be true, find which of the conclusion among given conclusions is/are definitely true and then give your answers accordingly.

**Statements:**  $A = B > C = D < F < G > H$

**Conclusions:**

I.  $A > D$

II.  $C > G$

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

Correct Option - 1

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**Que. 9** **Direction:** In the following question assuming the given statement to be true, find which of the conclusion among given conclusions is/are definitely true and then give your answers accordingly.

**Statements:**  $S \geq U > V > W < X, V > T \geq O < M$

**Conclusions:**

I.  $X \geq V$

II.  $O < S$

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

Correct Option - 2

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**Que. 10** **Direction:** Read the following information carefully and answer the following questions.

Eight persons A, B, C, D, E, F, G, and H are sitting in a linear row, some of them are facing south and some are facing north. Persons facing north are more than the persons facing south.

Four persons are sitting between E and C none of them are sitting on the extreme end. E is facing north direction. F is sitting immediately right of E. One person is sitting between F and D. The number of persons sitting between D and E is the same as the number of persons between D and G. G is facing north direction. B is sitting second to the left of G. E and D are facing opposite directions. Persons sitting on the extreme ends are facing opposite directions. A is not sitting at the extreme end. A is facing south direction. Immediate neighbors of E are facing opposite directions. G and A are not immediate neighbors.

Which of the following statements is/are false?

1. A and D are facing in the same direction.
2. H is sitting second to the left of F.

3. B is facing south direction.
4. Two persons are sitting between G and D.
5. C and G are immediate neighbors of each other.

Correct Option - 3

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**Que. 11** Who is sitting immediate right of B?

1. A
2. H
3. F
4. E
5. C

Correct Option - 5

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**Que. 12** How many persons are facing the south direction?

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

Correct Option - 1

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**Que. 13** At what place C is sitting with respect to D?

1. Immediate right
2. Second to the right
3. Immediate left
4. Second to the left
5. Third to the right

Correct Option - 4

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**Que. 14** How many persons are sitting between H and A?

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

Correct Option - 2

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**Que. 15** **Direction:** Study the following information carefully and answer the given questions;

In a certain code language,

'gu ri st pu' means 'siya is good player',

'st pu ho jt', means 'good player man time',

'st ri jt mt', means 'good is time save',

'gu vx ym nr', means 'siya sing very nice'.

What would be the code for 'good' in the given language?

1. st
2. pu
3. ri
4. gu
5. ho

Correct Option - 1

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**Que. 16** Which of the following means 'player' in that code language?

1. pu
2. st
3. ri
4. ho
5. jt

Correct Option - 1

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**Que. 17** Code 'ri' stands for which word in the given language?

1. good
2. is
3. siya
4. player
5. sign

Correct Option - 2

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**Que. 18** what is the code for 'nice' in the given language?

1. pu
2. ri
3. vx or ym or nr
4. tm
5. ym

Correct Option - 3

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**Que. 19** What would be the code for 'time' in the given language?

1. jt
2. ym
3. ri
4. gu
5. vx

Correct Option - 1

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**Que. 20** **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.

**Statement:**

Only a few A are B.

All B are C.

Some C are D.

**Conclusions:**

I. All D is A is a possibility.

II. Some C is A.

III. Some B is D.

1. Only I and II follows
2. Only II and III follows
3. Both I and III follows
4. All I, II and III follows
5. None follows

Correct Option - 1

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**Que. 21** **Direction:** In the question below are given three statements followed by three conclusions numbered I, II and III. 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 Scientists are Nurses.

Only Doctors are Clerks.

Some Engineers are Nurses.

**Conclusions:**

**I.** Some Clerks can be Nurses.

**II.** No Engineers is Doctors.

**III.** Some Engineers are Doctors.

1. Only I follows

2. Both II and III follow.
3. All follow.
4. Both I and III follow.
5. Either II or III follows.

Correct Option - 5

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**Que. 22** **Direction:** In the question below, there are 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 them from the given statements disregarding commonly known facts.

**Statements:**

- Only a few cinema is hall.
- Only hall is movie.
- No TV is hall.

**Conclusions:**

- I. All hall can never be cinema.
- II. No TV is cinema.

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

Correct Option - 1

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**Que. 23** **Direction:** In the question below, there are 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 them from the given statements disregarding commonly known facts.

**Statements:**

- No thief is police.
- Some police is woman.
- Some man is not woman.

**Conclusions:**

- I. All woman can be man.
- II. Some woman is not thief.

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

Correct Option - 4

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**Que. 24** **Direction:** Read the following information carefully and answer the following questions.

Seven persons J, K, L, M, N, O, and P are there in a family. They are born in 1960, 1970, 1981, 1983, 1986, 1996, and 2007 not necessarily in the same order. Sum of the ages of L and O is Seventy-nine. The age gap between O and M is the same as the age gap between L and K. The Age of O is greater than M. The Sum of the age of J and N is double the age of P. The Age of M is an even number. The age of J is not less than N.

**Note:** The base year is 2023 for calculating the age of all the family members.

Which of the following statements is/are true?

1. Only two persons are older than P.
2. N is younger than L.
3. O is the oldest family member.
4. J is born in the year 1993.
5. The age of K is an even number.

Correct Option - 3

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**Que. 25** How many persons is/are older than K?

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

Correct Option - 1

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**Que. 26** Who is immediately younger than N?

1. J
2. K
3. O
4. L
5. M

Correct Option - 2

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**Que. 27** In which year J is born?

1. 2007
2. 1960
3. 1993
4. 1970
5. 1983



Correct Option - 4

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**Que. 28** What is the age of P?

1. 43
2. 16
3. 27
4. 40
5. 37

Correct Option - 4

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**Que. 29** How many pair of letters are there in the word "EAGERNESS" that has as many letters between them in the word as in the alphabet?

1. More than three
2. Three
3. One
4. Two
5. None

Correct Option - 3

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**Que. 30** If it is possible to make only one 3-letter English word with the 3<sup>rd</sup>, 7<sup>th</sup> and 10<sup>th</sup> letters of the word 'GOVERNMENT', which of the following will be the second letter from the right end of that word? If no such word can be made give 'X' as the answer and if more than one word can be made give 'W' as the answer.

1. W
2. T
3. V
4. M
5. X

Correct Option - 5

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**Que. 31** **Directions:** Study the information given below carefully and answer the questions that follow.

Aman starts from point A and goes 10m east to reach point B and then takes a right turn and goes 8m to reach point C. From C he takes a right turn and travels 6m to point D and after reaching there he takes a left turn and walks 8m to reach point E. From point E he takes a left turn and walks 6m to finally reach point F.

What is direction of point D with respect to point B?

1. North
2. South
3. Northwest
4. Southwest

5. East

Correct Option - 4

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**Que. 32** What is the shortest distance between A and C?

1.  $\sqrt{184}m$
2. 18m
3.  $\sqrt{154}m$
4.  $\sqrt{164}m$
5. 164m

Correct Option - 4

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**Que. 33** What is the direction of point A with respect to point C?

1. North
2. South
3. Southeast
4. West
5. Northwest

Correct Option - 5

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**Que. 34** In the word 'CLIPBOARD', if each vowel is replaced by its succeeding letter and each consonant is replaced by its preceding letter as in the English alphabet then which letter will be the 4th to the left of Q in the new arrangement?

1. J
2. A
3. B
4. P
5. O

Correct Option - 5

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**Que. 35** If in the number '78742639258' the prime numbered digits are increased by 1, then how many such digits are there in the number thus formed which appear only once?

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

Correct Option - 2

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

Seven persons A, B, C, D, E, F, and G will attend a seminar in January, February, March, April, May, June, and July but not necessarily in the same order. The seminars are on Physiology, Biology, History, Sociology, Mathematics, Taxology, and Cardiology.

C will attend the seminar on Mathematics in the month which has 30 days. Two seminars will be conducted between C and the Cardiology seminar. Seminar on Biology is in May month. G will attend a seminar on Physiology. One seminar is between the Cardiology and History seminars. Two seminars are there between C and B who will attend the Sociology seminar. G will attend the seminar immediately before D. E will attend the seminar after A. Neither E nor A will attend the biology seminar.

Which of the following information is/are true?

1. F will attend the seminar in January.
2. E will attend a Taxology seminar.
3. D will attend the Biology seminar.
4. Two persons attend the seminar between Physiology and History.
5. G will attend the seminar just before B.

Correct Option - 2

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**Que. 37** Who will attend the seminar immediately before E?

1. D
2. F
3. C
4. B
5. G

Correct Option - 2

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**Que. 38** How many people attended the seminar between Mathematics and Sociology?

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

Correct Option - 1

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**Que. 39** Who will attend the seminar on Cardiology?

1. E
2. F
3. C
4. D

5. A

Correct Option - 5

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**Que. 40** Who will attend the seminar in February?

1. A
2. E
3. G
4. B
5. C

Correct Option - 3

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**Que. 41** Directions: The below table shows the total number of persons (Male + Females) working in the four different companies A, B, C and D and percentage of females working out of total persons (Males + Females) working the respective companies.

Name of the companies	Total number of persons (Males + Females) working	Percentage of females working
A	1200	30%
B	1600	35%
C	1800	60%
D	2200	40%

Females working in company E is 80 more than the average number of females working in all the companies. If the ratio of the number of males to females working in the company E is 17 : 16. Find the total number of persons (male + female) working in the company E.

1. 1540
2. 1760
3. 1650
4. 1140
5. 1660

Correct Option - 3

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**Que. 42** If 75% of the females working in company C are senior employees and the number of senior employees working in company C is 1170. Find the ratio between the number of male senior employees in company C to the number of female senior employees in the same company.

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

4. 3: 2
5. 5: 7

Correct Option - 2

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**Que. 43** Find the sum of the  $\frac{5}{6}$  th of the males working in company D and  $\frac{1}{11}$  th of the females working in the company D

1. 1180
2. 1230
3. 1080
4. 1140
5. 1170

Correct Option - 1

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**Que. 44** If 50% of the males working in company C are above 40 age and  $\frac{1}{8}$  th of the females working in company C is below 40. find the difference between number of males working in company C above 40 and number of females working in company C below 40 age.

1. 245
2. 225
3. 215
4. 325
5. 275

Correct Option - 2

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**Que. 45** If  $\frac{4}{7}$  th of the males working in company A are officers and  $\frac{1}{6}$  th of the females working in company A are non officers. Find the number of officers working in company A.

1. 670
2. 820
3. 780
4. 740
5. 630

Correct Option - 3

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**Que. 46** In each of these questions a number is wrong in the series. Find out the wrong number.  
245, 250, 257, 267, 282, 306, 337

1. 250
2. 267
3. 306
4. 245
5. 337

Correct Option - 3

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**Que. 47** In each of these questions a number is wrong in the series. Find out the wrong number.  
32, 30, 68, 207, 832, 4165, 24996

1. 30
2. 207
3. 4165
4. 32
5. 68

Correct Option - 1

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**Que. 48** In each of these questions a number is wrong in the series. Find out the wrong number.  
56, 35, 50, 26, 38, 17, 29

1. 17
2. 38
3. 50
4. 26
5. 29

Correct Option - 3

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**Que. 49** In each of these questions a number is wrong in the series. Find out the wrong number.  
14, 20, 34, 70, 134, 234, 378

1. 70
2. 134
3. 20
4. 234
5. 14

Correct Option - 3

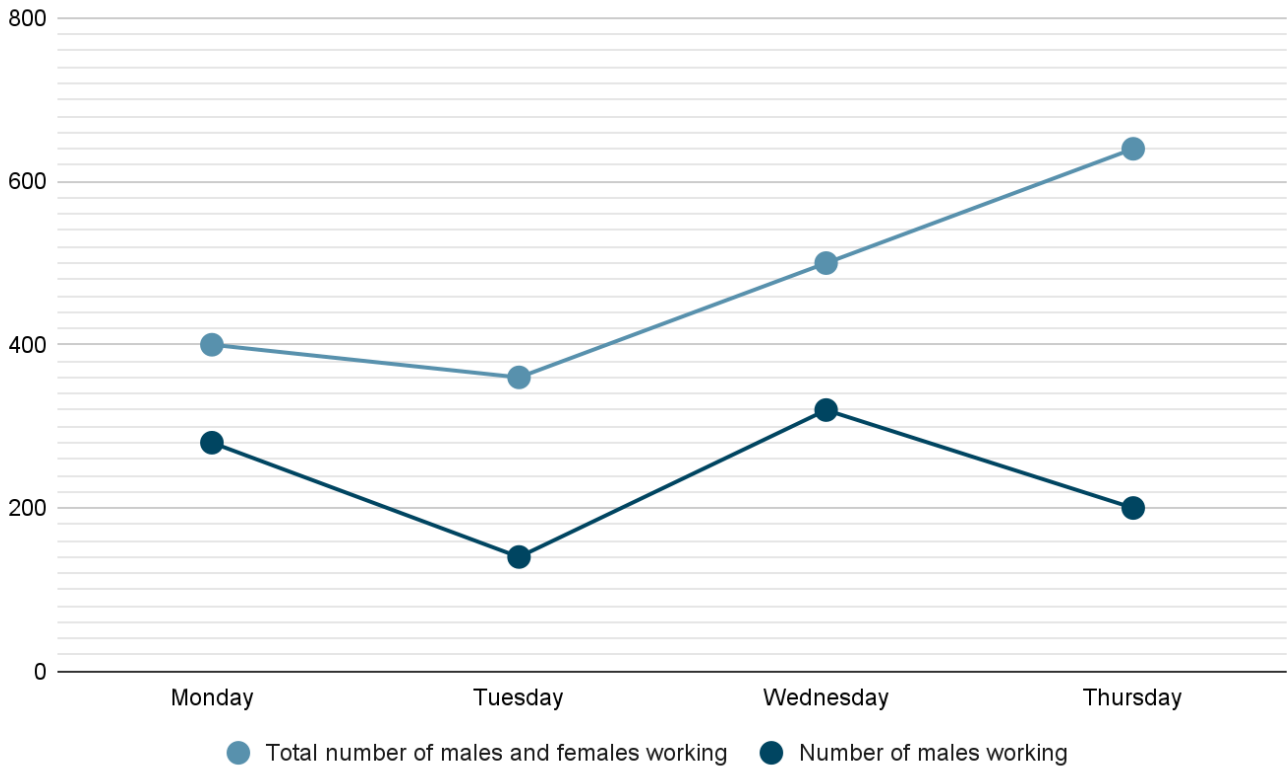
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**Que. 50** In each of these questions a number is wrong in the series. Find out the wrong number.  
4, 8, 35, 51, 176, 211, 555

1. 51
2. 211
3. 555
4. 8
5. 176

Correct Option - 2

**Que. 51** Directions: The line graph below shows the total number of males and females working in a company on four different days Monday, Tuesday, Wednesday, and Thursday along with the number of males working in respective days.



Find the ratio between the number of males working on Monday and Thursday to the number of females working on Tuesday and Wednesday.

1. 6: 7
2. 4: 5
3. 8: 5
4. 3: 4
5. 2: 1

Correct Option - 3

**Que. 52** Number of males working on Friday is 50 more than the number of males working on Thursday. Number of females working on Friday is 60 more than the number of females working on Thursday. Find difference between number of males and females working on Friday.

1. 210
2. 220
3. 250
4. 270

5. 300

Correct Option - 3

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**Que. 53** 30% of the total number of persons working on Wednesday are from city P and the number of males working from city P is 40. Find the number of females working in city P.

1. 150
2. 160
3. 110
4. 130
5. 140

Correct Option - 3

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**Que. 54**  $\frac{5}{7}$  of the number of males working Tuesday is how much more or less than the  $\frac{6}{9}$  of the number of females working on Wednesday.

1. 25
2. 15
3. 10
4. 20
5. None of these

Correct Option - 4

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**Que. 55** If 42.85% of the number of males working on Monday are married and  $\frac{8}{11}$  of the females working on Tuesday are married. Find the number of unmarried males working on Monday and unmarried females working on Tuesday.

1. 240
2. 220
3. 230
4. 250
5. 260

Correct Option - 2

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**Que. 56** Age of A, 8 years ago was thrice of B at that time. A's age after 4 years will be twice of B's age after 6 years. If age of C is 6 years less than the average present age of A and B then find the age of C.

1. 34 years
2. 42 years
3. 38 years
4. 28 years
5. None of these



Correct Option - 1

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**Que. 57** 5 men can complete a work in 16 days, which 8 women can complete in 36 days. If 10 men started the work and after 4 days, 12 women joined them then find the total time taken to complete the work.

1. 6
2. 9
3. 7
4. 10
5. None of these

Correct Option - 3

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**Que. 58** A sum of Rs.20,500 is invested at 20% rate of simple interest per annum for 4 years and the amount obtained is invested at 10% per annum compound interest for 2 years. Find the compound interest obtained.

1. 7997
2. 7479
3. 7974
4. 7749
5. 7447

Correct Option - 4

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**Que. 59** A train 480 m long travelling at 90 kmph crosses another train travelling at 144 kmph in opposite direction in 9 seconds. If the second train crosses a platform in 8 seconds then find the length of the platform.

1. 315 m
2. 275 m
3. 215 m
4. 300 m
5. None of these

Correct Option - 3

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**Que. 60** An article is sold at 25% discount but charged 10% tax on the selling price. If the marked price is 50% above the cost price and the article is sold at Rs.85.5 more than the cost price. Find the cost price of the article.

1. 390
2. 360
3. 420
4. 400
5. None of these

Correct Option - 2

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**Que. 61** In a 180 litres mixture there is 33.33% water and rest milk. If 54 litres of mixture is removed and X litres of milk is added, then the water content will be 25%. Find the value of X.

1. 42
2. 126
3. 21
4. 63
5. None of these

Correct Option - 1

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**Que. 62** In the given questions, two equations numbered I and II are given. You have to solve both the equations and mark the appropriate answer.

I.  $3x^2 - 18x + 15 = 0$

II.  $4y^2 - 84y + 320 = 0$

1.  $x > y$
2.  $x \leq y$
3.  $x \geq y$
4.  $x < y$
5.  $x = y$  or relation between x and y can not be determined.

Correct Option - 2

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**Que. 63** In the given question, two equations numbered I and II are given. Solve both the equations and mark the appropriate answer.

I.  $x^2 + 39x + 368 = 0$

II.  $y^2 + 42y + 425 = 0$

1.  $x > y$
2.  $x \geq y$
3.  $y > x$
4.  $y \geq x$
5.  $x = y$  or relationship between x and y cannot be established.

Correct Option - 5

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**Que. 64** In the given question, two equations numbered I and II are given. Solve both the equations and mark the appropriate answer.

I.  $5x^2 - 91x + 102 = 0$

II.  $7y^2 - 130y + 187 = 0$

1.  $x > y$
2.  $x < y$

3.  $x \geq y$
4.  $x \leq y$
5.  $x = y$  or relationship between  $x$  and  $y$  cannot be established.

Correct Option - 5

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**Que. 65** In the given question, two equations numbered I and II are given. Solve both the equations and mark the appropriate answer.

I.  $50x^2 - 45x + 9 = 0$

II.  $25y^2 - 35y + 12 = 0$

1.  $x > y$
2.  $x < y$
3.  $x \geq y$
4.  $x \leq y$
5.  $x = y$  or relationship between  $x$  and  $y$  cannot be established.

Correct Option - 4

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**Que. 66** In the following question, two equations numbers I and II are given. you have to solve both equations and give the answer.

(I)  $x^2 - 2.5x - 44 = 0$

(II)  $y^2 - 0.5y - 52.5 = 0$

1.  $x > y$
2.  $x < y$
3.  $x \geq y$
4.  $x \leq y$
5. If  $x = y$  or relation between  $x$  and  $y$  can not be determined.

Correct Option - 5

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**Que. 67** The savings of A and B is in the ratio 5:3 and their expenditures are in the ratio 1:2. If A saves 60% of his income then find the ratio of their incomes.

1. 29 : 27
2. 29 : 25
3. 25 : 27
4. 25 : 29
5. 28 : 29

Correct Option - 4

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**Que. 68** There are three numbers A, B and C. If A is reduced by 5 and B is increased by 5 then their values will be equal. If C is increased by 10 and B is increased by 10 then their values will be equal. If sum of A and C is 450 then find the value of B.

1. 330
2. 220
3. 440
4. 110
5. 550

Correct Option - 2

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**Que. 69** The question consists of two statements numbered “I and II” given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

What is the capacity of a jar containing 80% alcohol and remaining soda?

Statement (I): If initially 10 liters of the mixture from the jar is replaced by soda followed by 5 liters of mixture replaced by soda, then the final quantity of alcohol in the jar becomes 28.8 liters.

Statement (II): If 45% of the mixture from the jar is replaced by soda twice, then the percentage of alcohol in the jar becomes 51.5%.

1. Statement (I) alone is sufficient.
2. Statement (II) alone is sufficient.
3. Either (I) or (II) is sufficient.
4. Neither (I) nor (II) is sufficient.
5. Both statements I and II together are sufficient.

Correct Option - 1

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**Que. 70** **Direction:** "The following question is accompanied by two statements (I) and (II). You have to determine which statements(s) is/are sufficient/necessary to answer the questions.

Find the ratio of the speed of Trains.

**Statement I:** If Length of Train A is 100 m and it crosses a platform double its length in 10 s and Train B crosses the same platform in 20 s.

**Statement II:** The sum of the speed of Train A and B is 200 m/s and the difference between the speed of Train A and Train B is 50 m/s with speed of A greater than speed of B.

1. The statement I alone is sufficient to answer the question, but the statement II alone is not sufficient.
2. The statement II alone is sufficient to answer the question, but the statement I alone is not sufficient.
3. Both the statements I and II together are needed to answer the question.
4. Either statement I alone or statement II alone is sufficient to answer the question.
5. Neither statement I nor statement II is sufficient to answer the question.

Correct Option - 2

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**Que. 71** What approximate value should come in the place of question mark (?) in the following question?

$$79.99 \times [11.98 \times (4.98^2 - 3.98^2)] \div (8.99 \times 4.98) = ?\% \text{ of } 433.99$$

1. 50
2. 64
3. 34

4. 24
5. 44

Correct Option - 5

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**Que. 72** What approximate value should come in the place of question mark (?) in the following question?  
 $259.09 \div [(4.95)^2 + (4.04) \text{ of } \{32.93 \div (22.22 \div 1.92)\}] = ? - 64.89$

1. 95
2. 80
3. 72
4. 89
5. 66

Correct Option - 3

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**Que. 73** What approximate value should come in the place of question mark (?) in the following question?  
 $454.95 - 229.99 + ?^2 = 14.99^2 + 26.97 \times 179.97 \div 20.91$

1. 21
2. 29
3. 8
4. 30
5. 15

Correct Option - 5

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**Que. 74** What approximate value should come in the place of question mark (?) in the following question?  
 $74.95 - 2.93 \times (39.96/7.99 \div 0.49) \div (9/2.99) + 15.96 = ?$

1. 81
2. 90
3. 100
4. 71
5. 85

Correct Option - 1

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**Que. 75** What approximate value should come in the place of question mark (?) in the following question?  
 $459.98 \div 19.96 \times \sqrt[3]{728.98} + (6.96)^2 + 24.78 = \sqrt[3]{3374.8} + ?$

1. 244
2. 266
3. 240
4. 282

5. 234

Correct Option - 2

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**Que. 76** A boat takes 4 hours to cover 'D' km upstream and takes 3 hours to cover 'D - 2' km downstream. If the speed of the stream is 2 km/hr then find the distance covered by the boat in upstream in 3 hours.

1. 42 km
2. 45 km
3. 48 km
4. 51 km
5. 56 km

Correct Option - 1

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**Que. 77** Raja and Tulsi invested their capitals in a business in the ratio of 3:5 but for some reasons Raja withdraws half the amount after 4 months. If the total profit earned through this business is Rs 16800, then what will be the profit (in Rupees) received by Tulsi after the end of 12 months?

1. 13500
2. 10800
3. 12000
4. 15000
5. 8500

Correct Option - 3

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**Que. 78** Radha bought a box full of candies. The box contained 22 orange candies and 12 blue candies. If 4 candies are picked at random, then what is the probability that 1 orange and 3 blue candies are picked?

1.  $31/527$
2.  $28/531$
3.  $27/527$
4.  $31/531$
5.  $55/527$

Correct Option - 5

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**Que. 79** The distance between the centres of two adjacent circles is 15 cm. If the shortest distance between the edges of the circles is 4.5 cm and the difference between their radii is 3.5 cm then find the area of the bigger circle.

1.  $222 \text{ cm}^2$
2.  $77 \text{ cm}^2$
3.  $308 \text{ cm}^2$
4.  $154 \text{ cm}^2$
5. None of these

Correct Option - 4

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**Que. 80** The average of 3 even numbers is 42 and the average of 3 odd numbers is 39. If the average of largest and second largest even number is 45 and the average of largest and second largest odd number is 44 then find the difference between smallest even and odd numbers.

1. 4
2. 7
3. 11
4. 10
5. None of these

Correct Option - 2