

**Directions (1-5):** In these questions, a relationship between different elements is shown in the statement. The statements are followed by two conclusions.

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

1. **Statement:**  $A > N \geq D = K \leq G < B$

**Conclusions:**

I.  $B > D$

II.  $A \geq G$

2. **Statement:**  $V \geq F = T, T \geq N > M$

**Conclusions:**

I.  $F > N$

II.  $V > M$

3. **Statement:**  $H > Y < M, T > W \geq K = M$

**Conclusions:**

I.  $W > H$

II.  $T \leq M$

4. **Statement:**  $X > Y = Q \leq D \leq K = O$

**Conclusions:**

I.  $O > Y$

II.  $Y = O$

5. **Statement:**  $E = M \geq N = P < S = I$

**Conclusions:**

I.  $E \geq P$

II.  $N < I$

**D.6-10): The following questions are based on the five three digit numbers given below:**

**492 767 879 459 665**

6. If in each number, all the three digits are arranged in ascending order within the number, which of the following will be the second highest number?

- a) 492
- b) 665
- c) 459
- d) 767
- e) 879

7. If last two digits are inter changed in each number and 2 is subtracted from the first digit, which number will be highest?

- a) 492
- b) 879
- c) 665
- d) 459
- e) 767

8. If the position of first and third digits of the numbers are interchanged, in how many numbers thus formed with the last digit be a perfect square?

- a) None
- b) Three

c) More than three

d) One

e) Two

9. What will be result if first digit of second highest number and third digit of second lowest number are multiplied?

a) 12

b) 49

c) 7

d) 28

e) 14

10. If in each number, the entire three digits are added, the total of which of the following numbers will be the second highest?

a) 767

b) 665

c) 879

d) 459

e) 492

**D.11-15) Study the following information carefully and answer the question given below:**

Ten people are sitting in two parallel rows having five people each in such way that there is equal distance between adjacent persons. In row-1, A, B, C, D and E are seated (not necessarily in the same order) and all of them are facing south. In row-2 P, Q, R, S and T are seated (not necessarily in the same order) and all of them are facing north. Therefore, in the given seating arrangement each member seated in a row faces another member of the other row. T sits third to the right of Q. P sits second to the left of T. The person facing P sits on the immediate right of B. Only one person sits between B and D. A is not an

immediate neighbour of B. Only two people sit between A and C. Neither B nor A faces S.

11. Who amongst the following is facing E?

- a) S
- b) T
- c) P
- d) R
- e) Q

12. Which of the following statements is TRUE regarding D?

- a) D faces one of the immediate neighbours of R.
- b) B is one of the immediate neighbours of D.
- c) None of the given statements is true
- d) C sits on the immediate right of D.
- e) Only one person sits between D and E.

13. Who among the following is facing R?

- a) B
- b) C
- c) D
- d) A
- e) E

14. What is the position of T with respect to S?

- a) Third to the right
- b) Second to the right
- c) Immediate left

- d) Immediate right
- e) Second to the left

15. Four of the given five are alike in a certain way based on the given arrangement and hence form a group. Which is the one that does not belong to that group?

- a) D
- b) A
- c) E
- d) Q
- e) S

**D.16-20) Study the following information carefully and answer the question given below:**

K, G, F, P, A, N, D and T are eight friends all of whom have different heights. They are standing in two rows of four girls each, row 1 facing north direction and row 2 facing south direction.

T is shorter than K. The tallest girl among the eight is neither standing at any of the ends nor facing T. A is shorter than G and is facing South. P is the shortest among the eight girls and is standing directly opposite N who is facing south. D is taller than F but shorter than T. K is standing at the second position to the right of D. N is shorter than only two girls, A and G. T is standing directly opposite to F who is facing south. D is standing at the third position to the left of P.

16. Which of the following girl is third tallest?

- a) N
- b) K
- c) D
- d) Can't be determined

e) None of these

17. Who among the following facing opposite to each other?

a) P and G

b) F and T

c) A and P

d) G and D

e) None of these

18. Who among the following is second shortest girl?

a) D

b) P

c) F

d) N

e) None of these

19. If G is the shortest then who among the following is second Tallest?

a) K

b) D

c) P

d) N

e) None of these

20. Who sits third to the right of D?

a) K

b) F

c) P

- d) G
- e) None of these

**D.21-25) Study the following information carefully and answer the question given below:**

B, C, D, E, F and G are six friends living on different floors in the same building having six floors numbered one to six. The ground floor is numbered one, the floor above it is numbered two and so on. All of them have Cars of different Colours via– Brown, Black, Orange, Green, Blue and Red but not necessarily in the same order.

B and E live on the even number floor, and the colour of their Cars is Green and Red respectively. Three persons live on the floor between E and G. The one who lives on the first floor has brown colour Cars. The floor which B lives is below the floor on which E lives. The Car of the 5th floor is blue colour. The colour of F's Car is Orange. D does not live immediate below of E's floor.

21. Who amongst the following lives on the 4th floor?

- a) Either B or C
- b) D
- c) B
- d) Either C or D
- e) None of these

22. Which of the following combination is true?

- a) E – Fourth – Green
- b) F – Third – Orange
- c) D – Fifth – Brown
- d) B – Fourth – Black
- e) None of these

23. Which colour Cars is between blue car and black car?

- a) Red and Orange
- b) Brown and Green
- c) Red
- d) Brown
- e) Green and Orange

24. On which of the following floor does C live?

- a) Second
- b) Third
- c) Fourth
- d) Fifth
- e) Sixth

25. Which of the following statement is true with respect to D?

- a) D lives on first floor
- b) D lives on even floor
- c) The colour of D's Car is black
- d) D lives immediate below of C
- e) All are true

**D.26-28) Study the following information carefully and answer the question given below:**

'R × S' means, 'R' is mother of 'S'.

'R ÷ S' means, 'R' is son of 'S'.

'R + S' means, 'R' is brother of 'S'.

'R – S' means, 'R' is wife of 'S'.



26. If J is daughter-in-law of K then what should come in place of (?) in the given expression?

$$J - X ? M - K \div M$$

- a)  $\times$
- b)  $-$
- c)  $\div$
- d)  $+$
- e) None of these

27. How is P related to O in the given expression?

$$O \times H + U - P$$

- a) Son-in-law
- b) Son
- c) Daughter
- d) Can't be determined
- e) None of these

28. In which of the following expression will be the expression X is father-in-law of Z?

- a)  $Z - D \div C + S \div X$
- b)  $Z - D \div C \times S \div X$
- c)  $Z - D \div C - S \div X$
- d) Can't be determined
- e) None of these

29. Zee walks 2km North turns left and walks 4 km , He then turns 180 degree clockwise direction and walks 5 km. What is the final position of zee with respect to his starting point?

- a) North
- b) North - East
- c) North - West
- d) East
- e) None of these

30. A walked 20 metres towards east, took a left turn and walked 30 metres and again he took a left turn and walked 20 metres. How far is he from his starting point?

- a) 70 metres
- b) 10 metres
- c) 40 metres
- d) 30 metres
- e) None of these

**D.31 -35) In each of the following questions two or three statements are given and these statements are followed by two conclusions numbered (I) and (II). Read the conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts**

31. **Statements:**

Some Fruits are Mango. All Pineapple is Apple. No fruits is Apple. All Mango are Grapes.

**Conclusions:**

I) All Pineapple being a part of fruit is a possibility.

II) Some Fruits are grapes is a possibility.

- a) Only II follows
- b) Both I and II follows

- c) Only I follow
- d) Either I or II follows
- e) Neither I nor II follows

**32. Statements:**

All Books are Pen. Some Pens are Xerox. No Xerox is Notepad.

**Conclusions:**

- I) No Notepad is Pen
- II) Some Notepads are Pen

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

**33. Statements:**

No puzzles are Direction. All Circles are puzzles. Some Extreme are Directions

**Conclusions:**

- I) All Circle being Direction is a possibility.
- II) Some Extremes are not Direction.

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

**34. Statements:**

All Footballs are ring. No watch is football. All Crickets are rings.

**Conclusions:**

I) All Cricket are football is a possibility.

II) No football is watch.

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

**35. Statements:**

All Buses are Cars. Some Cars are Jeep. No Jeep is Truck.

**Conclusions:**

I) some Cars are Truck

II) Some Cars are not Truck

- a) Only II follow
- b) Both I and II follow
- c) Either I or II follow
- d) Only I follow
- e) Neither I nor II follow

D.36-40) Answer the following questions based on the information given below.

The following table shows the marks of five different students in six different subjects. Each subject has a maximum of 150 marks.

Subject Name	Student Name				
	Ram	Kavya	Sira	Mohana	Prasath

Physics	148	142	125	102	112
Chemistry	138	145	105	114	124
Biology	128	128	125	126	104
Mathematics	142	118	115	138	116
English	126	122	120	125	126
Hindi	120	108	118	120	106

Q.36) What is the average marks scored by Sira in all the subjects?

- a) 112
- b) 114
- c) 116
- d) 118
- e) 120

Q.37) What is the approximate percentage marks obtained by Kavya?

- a) 86.67%
- b) 84.78%
- c) 84.22%
- d) 86.33%
- e) 83.33%

Q.38) Mohit and Priya throw a dice one after the other. If Mohit starts the game, find the probability that Priya gets a value more than what mohit gets?

- a)  $\frac{1}{6}$
- b)  $\frac{3}{12}$
- c)  $\frac{1}{3}$
- d)  $\frac{5}{12}$
- e)  $\frac{7}{18}$

Q.39) A dealer purchases 280 chairs at a price of Rs.380 each and spent Rs.3000 on their transportation. He further spent Rs.1000 for their package. He fixed the price of Rs.450 for each and allowed a discount of 10%. Find the profit or loss percent?

- a) 1.67%
- b) 2.41%
- c) 2.71%

d) 3.33%

e) 1.33%

D.40-41) Find the missing number and answer the given questions.

Q.40) 4                      2.5                      1.5                      3.75                      5.5                      ?

a) 18.25

b) 16.25

c) 20.25

d) 22.25

e) 18.75

Q.41) 24                      60                      120                      210                      336                      ?

a) 508

b) 494

c) 514

d) 506

e) 504

Q.42) In the following question, two equations numbered I and II are given. On solving them, we get value of X and Y in equation I and II respectively and choose the correct option.

I.  $10x^2 - 25x + 15 = 0$

II.  $47y^2 - 62y + 705 = 0$

a)  $x \geq y$

b)  $x < y$

c)  $x > y$

d)  $x \leq y$

e)  $x = y$  or relation cannot be established between 'x' and 'y'.

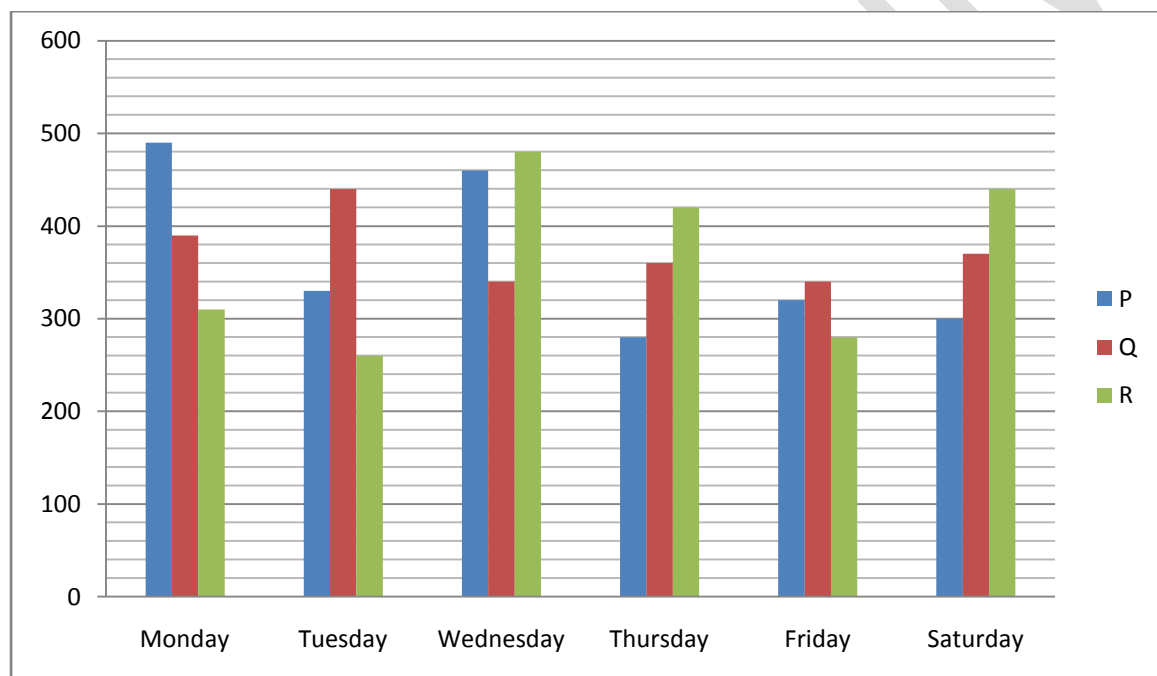
Q.43) Find the x value and answer the given question.

$$\frac{98! \times 96! \times 109! \times 198!}{197! \times 95! \times 97! \times 108!} = 56448x$$

- a) 3487
- b) 3957
- c) 3497
- d) 3597
- e) None of these

D.44-45) Read the data carefully and answer the following questions.

The below Bar graph shows the distance covered by three trucks in kilometres.



Q.44) what is the ratio of the distance travelled on Wednesday and Saturday to that of Thursday and Friday taken for all the trucks together?

- a) 239 : 200
- b) 229: 198
- c) 219: 199
- d) 239: 219
- e) None of these

Q.45) If 30% of the distance is travelled with a speed of 50 km/hr. 30% of the rest by 30km/hr and the rest of the total distance by 70 km/hr which is taken by all the trucks together on Monday, then what is the average speed of whole journey taken by all the trucks together?

- a) 43.33 km/hr
- b) 50 km/hr
- c) 56.67 km/hr
- d) 53.33 km/hr
- e) 48 km/hr

D.46-47) Find the missing number and answer the given questions.

Q.46) 7                      9                      21                      67                      273                      ?

- a) 1311
- b) 1341
- c) 1381
- d) 1371
- e) 1291

Q.47) 4                      18                      48                      100                      ?

- a) 170
- b) 175
- c) 160
- d) 180
- e) None of these

Q.48) 2 pipes A and B can fill a tank in 36 minutes and 48 minutes respectively while working alone, If both the pipes are opened simultaneously then after how much time pipe B should be closed so that tank is full in 27 minutes?

- a) 8 minutes
- b) 10 minutes
- c) 16 minutes
- d) 12 minutes
- e) None of these

Q.49) Find the probability that a word selected from the set of all possible rearrangements of the word RACEBANK results in the word "RACEBANK"?

- a)  $\frac{1}{2520}$



b) 1/90720

c) 1/20160

d) 1/5040

e) None of these

D.50-51) Answer the following questions based on the information given below.

The following table shows the marks of five different students in six different subjects. Each subject has a maximum of 150 marks.

Subject Name	Student Name				
	Ram	Kavya	Sira	Mohana	Prasath
Physics	148	142	125	102	112
Chemistry	138	145	105	114	124
Biology	128	128	125	126	104
Mathematics	142	118	115	138	116
English	126	122	120	125	126
Hindi	120	108	118	120	106

Q.50) What is the total marks scored by Ram in all the subjects?

a) 812

b) 822

c) 832

d) 802

e) 792

Q.51) What is the ratio between the average marks scored by all the students in Physics and Biology?

a) 629 : 611

b) 633 : 623

c) 601 : 583

d) 314 : 305

e) None of these

Q.52) Find the value of x and answer the given questions.

$$18 \times 99 \times 17 - 89.5\% \text{ of } 39000 = x - \frac{140275}{25}$$

- a) 900
- b) 1000
- c) 2200
- d) 1250
- e) 950

Q.53) In the following question, two equations numbered I and II are given. On solving them, we get value of X and Y in equation I and II respectively and choose the correct option.

I.  $x^2 - 42x - 135 = 0$

II.  $9y^2 - 64y + 111 = 0$

- a)  $x > y$
- b)  $x = y$  or relation cannot be established between 'x' and 'y'
- c)  $x \geq y$
- d)  $x \leq y$
- e)  $x < y$

Q.54) The average marks scored by 10 students is 63. If the scores of Mohan and Raja and Priya are included, the average becomes 60. If Mohan scored 68 marks and Priya scored 6 more marks than Raja, find the marks scored by Raja?

- a) 36
- b) 34
- c) 32
- d) 30
- e) 38

Q.55) A class consists of boys and girls in the ratio of 2: 3. If the ratio of boys and girls who play hockey is 4: 7, and the number of boys as well as girls who don't play hockey is 2000 each, find the total number of students?

- a) 14000
- b) 15000

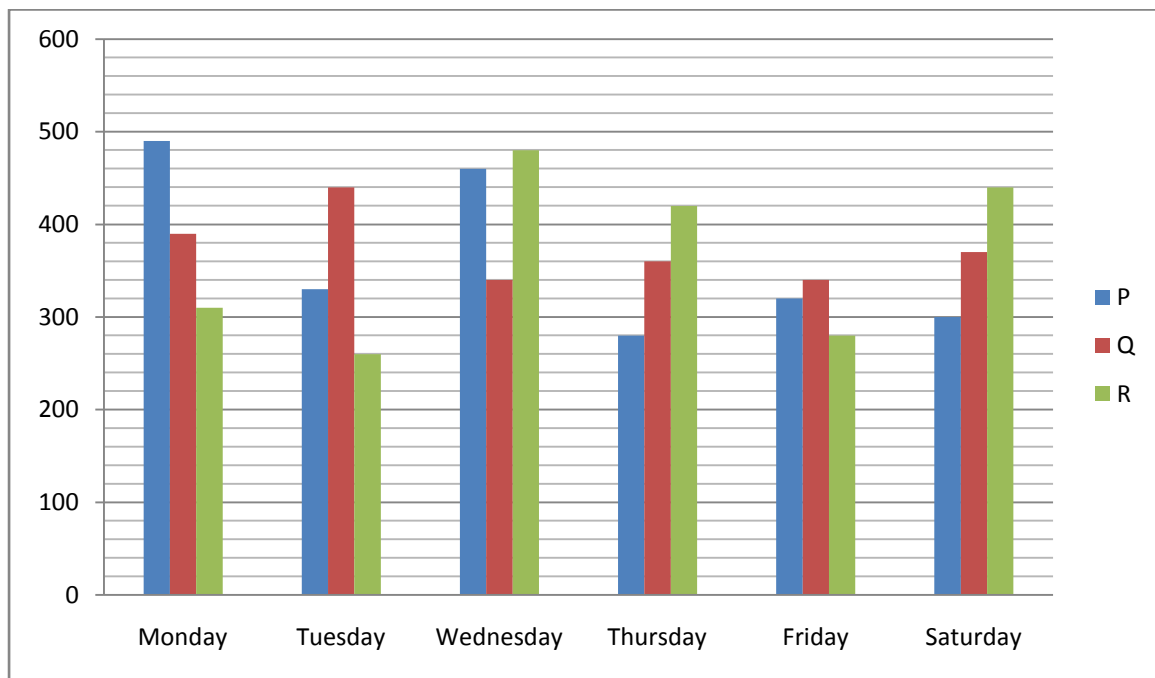
c) 13000

b) 14500

e) 13500

D.56-57) Read the data carefully and answer the following questions.

The below Bar graph shows the distance covered by three trucks in kilometres.



Q.56) Find the difference between the total time taken by all the three trucks together running at maximum speed of 25km/hr during Tuesday and Saturday?

a) 4.2 hr

b) 4.4 hr

c) 3.8 hr

d) 3.6 hr

e) None of these

Q.57) What is the approximate average distance travelled by truck P for all the days together?

a) 373

b) 361

c) 351

d) 363

e) 471

Q.58) P, Q and R started a business with the capital of Rs. 12000, Rs.14000 and Rs.16000 respectively. At the end of the year the share of R in that profit is Rs. 3200. What is the difference between the share of Q and P in the profit?

a) Rs.200

b) Rs.800

c) Rs.400

d) Cannot be determined

e) None of these

Q.59) Find the missing number and answer the given question.

298                      323                      373                      523                      1273                      ?

a) 6253

b) 6463

c) 6543

d) 6523

e) 6413

Q.60) Find the x value and answer the given question.

$$49\frac{7}{198} \times \frac{94446}{87381} + \frac{12643}{269} = x$$

a) 90

b) 100

c) 220

d) 250

e) 150

Q.61) Answer the following question based on the information given below.

The following table shows the marks of five different students in six different subjects. Each subject has a maximum of 150 marks.

Subject Name	Student Name				
	Ram	Kavya	Sira	Mohana	Prasath

Physics	148	142	125	102	112
Chemistry	138	145	105	114	124
Biology	128	128	125	126	104
Mathematics	142	118	115	138	116
English	126	122	120	125	126
Hindi	120	108	118	120	106

Who scored the third highest total marks?

- a) Ram
- b) Kavya
- c) Sira
- d) Prasath
- e) None of these

Q.62) A man has 99 coins. Some are two rupee coins and some are five rupee coins. Which of the following could be the ratio of two rupee coins to five rupee coins?

- a) 1: 7
- b) 2: 5
- c) 3: 8
- d) 11: 13
- e) 7: 9

Q.63) Find the value of x and answer the given question.

$$\frac{8^{97+7} + 9^{92} + \frac{2}{504}}{3^9} = 3^x$$

- a) 10
- b) 3
- c) 0
- d) 9
- e) 18

Q.64) In the following question, two equations numbered I and II are given. On solving them, we get value of X and Y in equation I and II respectively and choose the correct option.

I.  $\frac{6}{x} - \frac{38}{\sqrt{x}} + 56 = 0$

II.  $\frac{9}{y} - \frac{39}{\sqrt{y}} + 42 = 0$

a)  $x > y$

b)  $x < y$

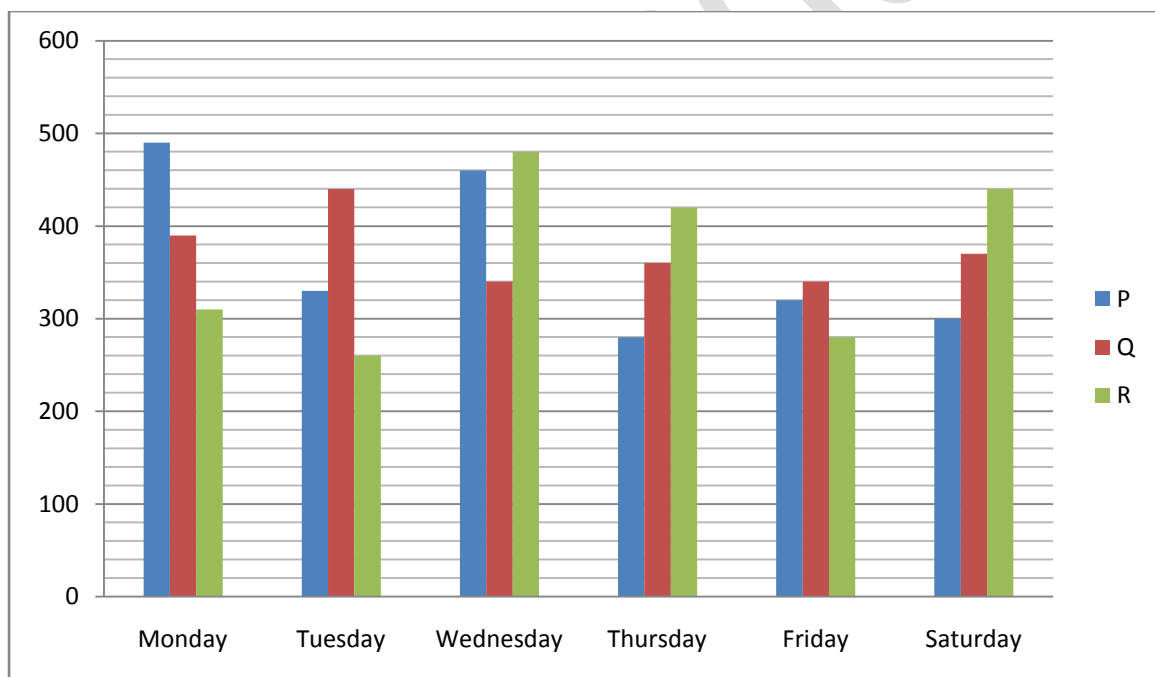
c)  $x \geq y$

d)  $x \leq y$

e)  $x = y$  or relation cannot be established between 'x' and 'y'.

Q.65) Read the data carefully and answer the following questions.

The below Bar graph shows distance covered by three trucks in kilometres.



Total distance travelled by truck Q is what percentage of truck R taken for all the days together?

a) 102.125

b) 112.28%

c) 108.67%

d) 102.28%

e) 107.125%

Q.66) Simple interest on a certain sum of money for 4 years at 10% per annum is half the compound interest on Rs.8000 for 3 years at 10% per annum. The sum placed on simple interest is?

a) Rs. 4095

b) Rs. 3095

c) Rs. 3125

d) Rs. 3100

e) Rs.3310

Q.67) In the following question, two equations numbered I and II are given. On solving them, we get value of X and Y in equation I and II respectively and choose the correct option.

I.  $9x - 6y = 45$

II.  $7x - 5y = 29$

a)  $x > y$

b)  $x < y$

c)  $x \geq y$

d)  $x \leq y$

e)  $x = y$  or relation cannot be established between 'x' and 'y'.

Q.68) Two partners A and B invests Rs.13500 and Rs.9000 respectively in a business, If one partner gets Rs 500 more than the other in the profit, what is the profit get by A?

a) 1600

b) 1700

c) 1500

d) 1767.5

e) None of these.

Q.69) Find the x value and answer the given question.

$$7845 - 9859.14 + 8945.94 + x = 23 \times 138 + \frac{2303}{47} + 45\% \text{ of } 9804$$

- a) 803
- b) 873
- c) 773
- d) 793
- e) 703

Q.70) In the following question, two equations numbered I and II are given. On solving them, we get value of X and Y in equation I and II respectively and choose the correct option.

I.  $7x + 9y = 41$

II.  $17x - 11y = 1$

- a)  $x > y$
- b)  $x < y$
- c)  $x \geq y$
- d)  $x \leq y$
- e)  $x = y$  or relation cannot be established between 'x' and 'y'.

**D.71-80):** Read the following passage carefully and answer the questions given below it. Certain words have been shown in bold to help you locate them while answering some of the questions.

In the pitch darkness of the night, someone whispered. "I have an idea. Let's play a prank on the sacredly-cat kiddo goat!" "But how?" a voice **snorted** in response. Umm... I got it. Let us scare the farm animals like the musicians of Bremen. I will perch on your head, and in the dark, we will look like a monster." "He he, I like the idea," said the second one **gleefully**. The next morning, Ma Moo woke up at dawn. Usually, at this time of the day, it was quiet and peaceful. But this morning, there was some commotion near the stables. Why were the ducks quacking loudly, the goats bleating in agitation and hens clucking



nervously? "Hey, what is going on?" she moved to a grey Canada goose that stayed back on the farm while his family returned to Canada. "It's that silly kiddo goat that has fainted again, getting everybody worried," he replied. The cow thought the bird didn't really care and he was making fun of that poor creature. Why did the baby goat faint so often? What was wrong with him? Should they call a doctor or a detective? Or should they call a policeman or a fire fighter? These were the questions the animals asked. The cow thought over these questions for a long time. Finally, she decided to call in the **Hopper** detectives. Rock, the penguin, Rana, the frog and Let-it-be, the grasshopper were exhausted after a long journey to reach the farm in Tennessee, the U.S. Yet they listened keenly to the cow's story. Let-it-be understood the situation. "I have heard about fainting goats. They are also known as wooden leg goats. When they are startled or in panic, their muscles become stiff and they faint. This happens more among the young goats than the older ones. Ma Moo, I think the problem is not with kiddo goat but somewhere else. Someone is **deliberately** playing a trick on him. It will be our job to find out who this nasty fellow is." From behind the bushes a colt spoke, "Yeah, I think so too. There is somebody on this farm with a mean attitude." He smiled broadly showing his large teeth. Rock and Rana exchanged looks. "I don't like this fellow. I think he is a nasty prankster," said Rana. Rock agreed. "So do I, but we have to prove it. Come, let us talk to the kiddo goat!" The little black-and-white goat stood by his mother's side. He bleated softly, unable to answer Rock's questions. It was the mother who explained what had happened to her kid. "It was at dawn when my kid went out to play with puppies. In the pale light, he saw a monstrous figure appear suddenly in front of him. It shouted 'boo'. My little one fainted in fright but when he came around the monster was gone." "What did he say the monster looked like?" asked Rana. "Oh, something that looked like a horse and with a large bird-like head." "Interesting..." said Let-it-be, "let us chat with the mean colt." They found him and the Canada goose beneath a large willow tree. They were reading the story of the four musicians of Bremen. "This 'trick' of these four friends really works," **honked** the goose in pleasure. The colt neighed happily. The Hopper detectives stepped out from behind the tree. They had overheard the two. "You are nasty, aren't you?" scolded Rock. "It's time you stopped this nonsense. Goose, next season, you shall return to your family in Canada! As for you colt, it's time you got trained to do some useful work at the

farm!" There was peace once again at the farm. Ma Moo was quite delighted that the problem was solved.

Q.71) What does the phrase "Yeah, I think so too. There is somebody on this farm with a mean attitude", as used in the passage mean?

- a) The frog responded to the grasshopper, as the goat was scared by the monster.
- b) The young horse blabbered about the little goat being scared by the monster.
- c) The goose responded, when colt questioned him regarding the scaring monster.
- d) The colt said to Ma Moo to convince the little goat.
- e) The young goat has answered the detectives with fear.

Q.72) Who were shouting "Boo"?

- a) Colt, Goose and Kiddo Goat.
- b) Penguin, Frog, Grasshopper.
- c) Cow and Goose.
- d) Grey Canada Goose and Young Horse.
- e) Monster Colt.

Q.73) Which of the following would be the suitable title?

- a) The Hopper Defectives.
- b) The fainted goat and The Little bolt.
- c) The Mysterious Boo.
- d) The monster in the little farm house.
- e) The foolish goose.

Q.74) Who are Hopper detectives?

- a) Rock and Rana.
- b) Rana and Grasshopper.
- c) Grey Canada Goose and Little Horse.
- d) Penguin, Frog and Grasshopper.
- e) Penguin, Frog, and Goose.

Q.75) According to the passage, Which of the following is not true?

- a) The grasshopper was bushed after a long journey.
- b) Ma Moo was quite happy that the problem was solved.
- c) This colt was praised for his work.
- d) The silly kiddo goat has been muted.
- e) The goats bleating in confrontation and hens fussing nervously.

Q.76) Choose the word which is most similar in meaning to the word given below, as used in the passage.

**HOPPER**

- a) spirit
- b) repose
- c) inertia
- d) cessation
- e) harmony

Q.77) Choose the word which is most similar in meaning to the word given below, as used in the passage.

**DELIBERATELY**

- a) reservedly
- b) challengingly
- c) hurriedly
- d) perceptibly
- e) intentionally

Q.78) Choose the word which is most similar in meaning to the word given below, as used in the passage.

**HONKED**

- a) flurried
- b) puffed
- c) gusted
- d) wafted
- e) tootled

Q.79) Choose the word which is most opposite in meaning to the word given below, as used in the passage.

**SNORTED**

- a) panted
- b) grunted
- c) laughed
- d) hided
- e) puffed

Q.80) Choose the word which is most opposite in meaning to the word given below, as used in the passage.

## GLEEFULLY

- a) splendidly
- b) wistfully
- c) blithely
- d) vivaciously
- e) flamboyantly

**D.81- 90):** Read the following sentences carefully and select the correct option. There are four parts (a), (b), (c) and (d) in each question. Select the part which is grammatically wrong. If every part in the sentence is grammatically correct then, choose 'No error' (e) as the answer.

Q.81) This is a opportune moment (a)/ to push for electricity (b)/ trade with (c)/ a long-term perspective. (d)/ No error (e).

Q.82) The reported position (a)/ on the boat that went (b)/ missing was four nautical miles (c)/ inside Pakistan waters. (d)/ No error (e).

Q.83) While (a)/ the woman was released, (b)/ her male friend was been booked (c)/ by the police for obscenity. (d)/ No error (e).

Q.84) The scheme has (a)/ put on hold (b)/ till the identity of (c)/ the beneficiaries is verified. (d) No error (e).

Q.85) As security forces brace themselves (a)/ for the re-poll in Srinagar, (b)/ seven candidate declared on Wednesday (c)/ that they would boycott it. (d) No error (e).

Q.86) Under Section 7 of the Act, (a)/ no poor person shall be (b)/ denied the benefit (c)/ of subsidy at all. (d)/ No error (e).

Q.87) The judgment came on a plea (a)/ by hundreds of family (b)/ in Manipur for a probe (c)/ by Special Investigation Team. (d)/ No error (e).

Q.88) It is hardly, to miss (a)/ the blue lettered boards lining (b)/ the northern

end of Galle Face, (c)/ Colombo's iconic seafront. (d)/ No error (e).

Q.89) Locally, there has been considerable (a)/ resistance to the project, (b)/ particularly from fisher folk (c)/ and environmental groups. (d)/ No error (e).

Q.90) The U.S. based firm (a)/ has indicated plans (b)/ to put up manufacturing lines (c)/ on India this year. (d)/ No error (e).

**D.91-100):** In the following passage, some of the words have been left out, each of which is indicated by a number. Find the suitable word from the options given against each number and fill up the blanks with appropriate words to make the paragraph meaningfully complete.

This month, the \_\_\_\_ **(91)** \_\_\_\_ is from Europe. This continent comprises the western-most part of Eurasia. Europe is bordered by the Arctic Ocean to the north, the Atlantic Ocean to the west, and the Mediterranean Sea to the south. Two brothers, tired of their \_\_\_\_ **(92)** \_\_\_\_ lives, decided to seek happiness. They planned to go from town to town, village to village in their \_\_\_\_ **(93)** \_\_\_\_\_. While they were on their way, they met an old man. He was \_\_\_\_ **(94)** \_\_\_\_\_, had a long white beard and carried a sack on his back. When the old man saw the two boys, he stopped and said, "Good morning! And where are you two fine gentlemen heading?" They said, "We are on a quest to seek happiness." Hearing this, the man \_\_\_\_ **(95)** \_\_\_\_ awhile and then replied, "I would like to help you." So saying, he put his hand in his pocket and pulled out a handful of gold coins. He held it out and asked, "Which one of you wants these?" The elder brother immediately said, "I want it." The old man gave him the handful of gold coins. The old man then put his hand in his other pocket and pulled out a precious gem. It was big and \_\_\_\_ **(96)** \_\_\_\_ as brightly as the sun. Once again he asked, "Which one of you wants this gem?" "I want it," said the elder brother once again. Once again, the old man gave the gem to the elder brother. The old man then took the sack that he was carrying, and put it down. "Who will help me carry this sack into the village?" he asked, looking at both of them. This time the elder brother did not say anything. Instead, the younger brother \_\_\_\_ **(97)** \_\_\_\_ up his sleeves and \_\_\_\_ **(98)** \_\_\_\_ the sack onto his shoulders. The old man smiled and said, "Take the sack with you, my boy. And also take everything that is inside it!" "Oh! I cannot do that Sir, as it does not

belong to me!" \_\_\_\_\_ **(99)** \_\_\_\_\_ the younger brother. "Take it, young man," said the old man. "This is my gift to you." The younger brother opened the sack and was shocked with what he saw. The sack was \_\_\_\_\_ **(100)** \_\_\_\_\_ with precious gemstones and gold coins. He stood up to thank the old man and was surprised to see that he was not to be found anywhere. He had disappeared.

Q.91) a) miracle

b) mission

c) folktale

d) travel

e) dream

Q.92) a) routine

b) brilliant

c) inspire

d) spirit

e) lacklustre

Q.93) a) life

b) path

c) trail

d) days

e) quest

Q.94) a) brawny

b) burl

c) frail

d) bizarre

e) sturdy

Q.95) a) wondered

b) pondered

c) smiled

d) envisaged

e) glimpsed

Q.96) a) blow

b) cranny

c) hone

d) shone

e) blew

Q.97) a) obtained

b) pulled

c) received

d) got

e) acquired

Q.98) a) jostled

b) shoved

c) heaved

d) dwelled

e) pushed



Q.99) a) refined

b) quietened

c) hushed

d) exclaimed

e) buzzed

Q.100) a) filled

b) poured

c) dispensed

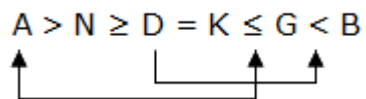
d) bared

e) stripped

**Answer:**

Direction 1 – 5)

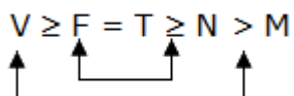
1. (a)

$$A > N \geq D = K \leq G < B$$


(i)  $B > D \rightarrow \text{True}$

(ii)  $A \geq N \rightarrow \text{False}$

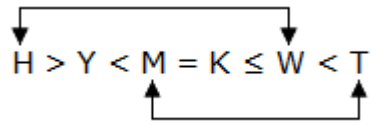
2. (b)

$$V \geq F = T \geq N > M$$


(i)  $F > N - \text{False}$

(ii)  $V > M - \text{True}$

3. (d)



(i)  $W > H \rightarrow$  False

(ii)  $T \leq M \rightarrow$  False

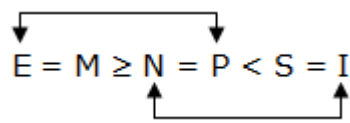
4. (c)

$X > Y = Q \leq D \leq K = O$

(i)  $O > Y$

(ii)  $O = Y$

5. (e)



(i)  $E \geq P \rightarrow$  True

(ii)  $N < I \rightarrow$  True

D. 6-10)

492    767    879    459    665

6. (d)

249    677    789    459    566

7. (b)

429	776	897	495	656
-2	-2	-2	-2	2
<u>229</u>	<u>576</u>	<u>697</u>	<u>295</u>	<u>456</u>

8. (e)

29<sup>4</sup> 767 978 95<sup>4</sup> 566 => Two

9. (e)

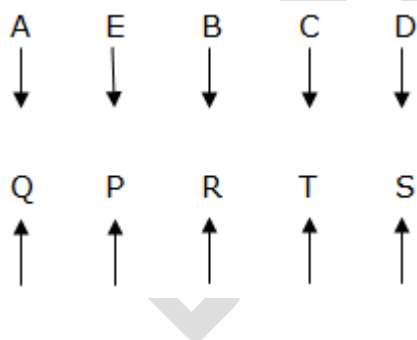
<sup>7</sup>67 49<sup>2</sup>

$$7 \times 2 = 14$$

10. (a)

15 <sup>20</sup> 24 18 17  
767

D. 11-15)



11. c

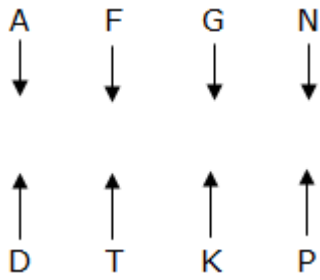
12. d

13. a

14. c

15.c

D. 16-20)



$P < F < D < T < K < N < A < G$

16. a

17. b

18. c

19. d

20. c

D. 21-25)

Person	Floor	Car- Colour
E	6	Red
C	5	Blue
B	4	Green
F	3	Orange
G	2	Black
D	1	Brown

21. c

22. b

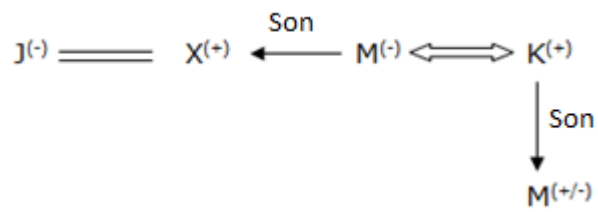
23. e

24. d

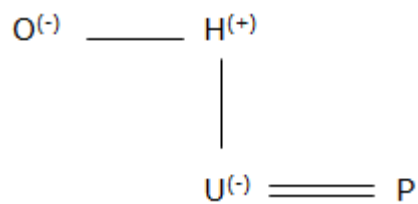
25. a

D. 26-28)

26. (c)

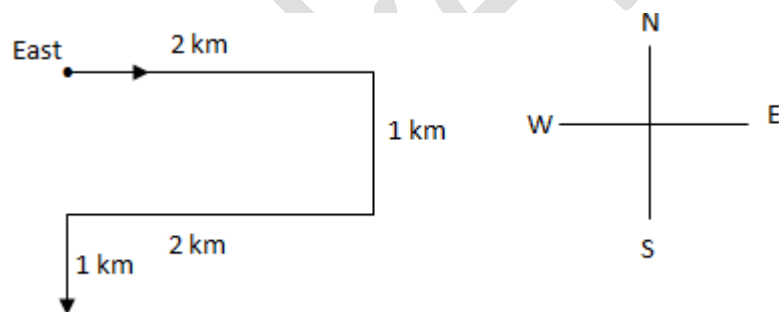


27. (a)

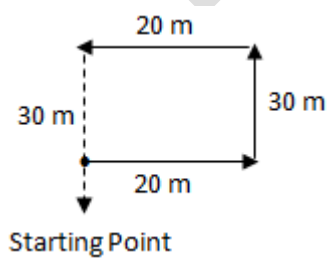


28. (e) None of these

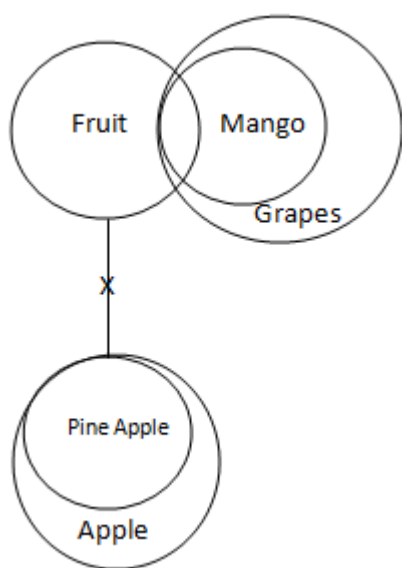
29. (a)



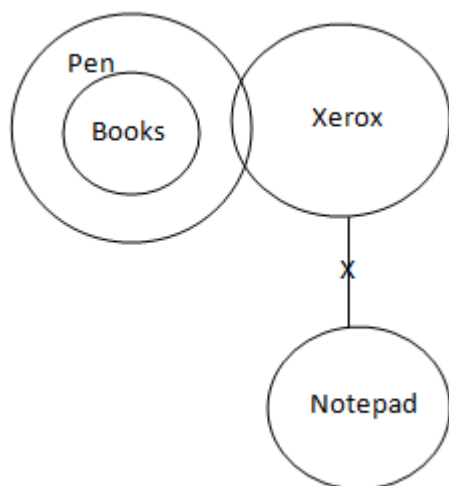
30. (d)



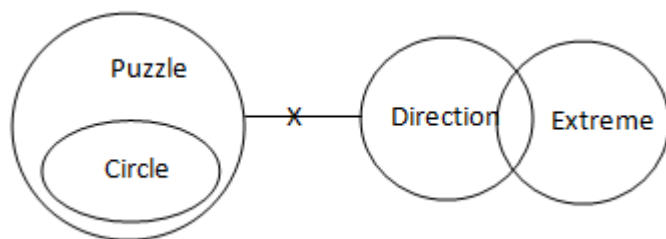
31. (e)



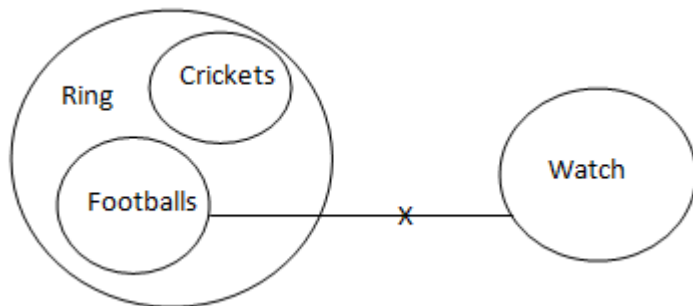
32. (b)



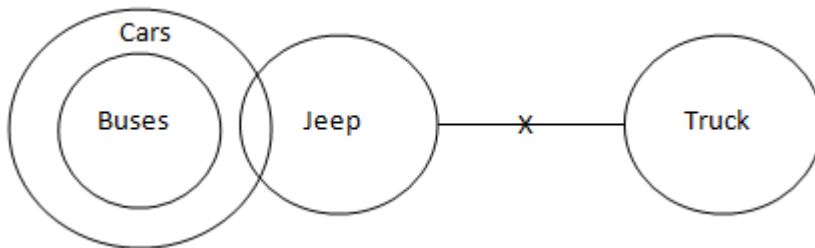
33. (e)



34. (d)



35. (a)



Q.36) d

Total marks scored by Sira

$$= 125 + 105 + 125 + 115 + 120 + 118 = 708$$

$$\text{Average marks} = 708/6 = 118$$

Q.37) b

Total marks scored by Kavya = 763

Total maximum marks = 900

$$\text{Required \%} = (763/900) \times 100 = 84.78\%$$

Q.38) d

The favourable cases (1,2), (1,3), (1,4), (1,5), (1,6), (2,3), (2,4), (2,5), (2,6), (3,4), (3,5), (3,6), (4,5), (4,6), (5,6).

Total number of cases = 36

$$\text{Required probability} = 15/36 = 5/12.$$

Q.39) c

$$\text{C.P of each table} = 380 + 3000/280 + 1000/280$$

$$= 394.29$$

$$\text{S.P of each table} = 450 - (10/100) \times 450$$

$$\text{S.P of each table} = 405$$

$$\text{Profit} = 405 - 394.29 = 10.71$$

$$\text{Profit \%} = 10.71/394.29 = 2.71\%$$

Q.40) b

The pattern is,

$$\times 0.5 + 0.5, \times 1 - 1, \times 1.5 + 1.5, \times 2 - 2, \times 2.5 + 2.5.$$

Hence, 11.25 is the answer.

Q.41) e

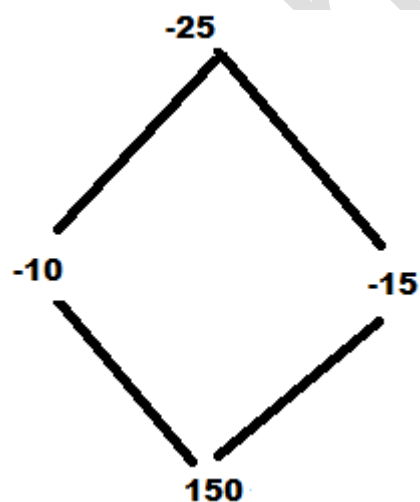
The pattern is,

$$3^3 - 3, 4^3 - 4, 5^3 - 5, 6^3 - 6, 7^3 - 7$$

Hence, 504 is the answer.

Q.42) a

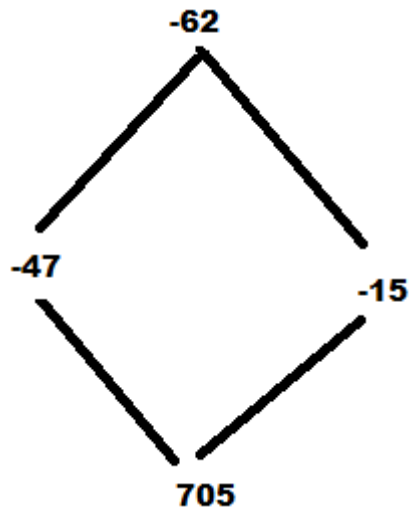
From I,



Therefore,  $x = 10/10, 15/10$

From II,





Therefore  $y = 47/47, 15/47$

Hence,  $x \geq y$

Q.43) d

$$X = \frac{98 \times 96 \times 109 \times 198}{56448} = 3597$$

Q.44) a

Day	P	Q	R	Total
Monday	490	390	310	1190
Tuesday	330	440	260	1030
Wednesday	460	340	480	1280
Thursday	280	360	420	1060
Friday	320	340	280	940
Saturday	300	370	440	1110
Total	2180	2240	2190	

Distance travelled on Wednesday and Saturday =  $1280 + 1110 = 2390$

Distance travelled on Thursday and Friday =  $1060 + 940 = 2000$

Required ratio =  $2390 : 2000 = 239 : 200$

Q.45) b

Day	P	Q	R	Total
-----	---	---	---	-------

Monday	490	390	310	1190
Tuesday	330	440	260	1030
Wednesday	460	340	480	1280
Thursday	280	360	420	1060
Friday	320	340	280	940
Saturday	300	370	440	1110
Total	2180	2240	2190	

Average speed = total distance/total time

Total distance = 1190 km

First part =  $1190 \times 30/100 = 357$  km

Time taken =  $357/50 = 7.14$  hr

Second part =  $(1190 - 357) \times 30/100 = 249.9$  km

Time taken =  $249.9/30 = 8.33$  hr

Rest part =  $1190 - 357 - 249.9 = 583.1$  km

Time taken =  $583.1/70 = 8.33$  hr

Total time =  $7.14 + 8.33 + 8.33 = 23.8$  hr

Average speed =  $1190/23.8 = 50$  km/hr.

Q.46) d

The pattern is,

$\times 1+2, \times 2+3, \times 3+4, \times 4+5, \times 5+6.$

Hence, 1371 is the answer.

Q.47) d

The pattern is,

$1 \times 2^2, 2 \times 3^2, 3 \times 4^2, 4 \times 5^2, 5 \times 6^2.$

Q.48) d

Let's assume pipe B was open for t minutes.

Hence according to the question,  $= \frac{27}{36} + \frac{t}{48} = 1$

$$= \frac{t}{48} = 1 - \frac{3}{4}$$

T = 12 minutes

Q.49) c

Total number of words possible =  $8!/2!$

= 20160

Total number of ways of selecting a word "RACEBANK" = 1

Probability of selecting the word RACEBANK =  $1/20160$

Q.50) d

Total marks scored by Ram

=  $148 + 138 + 128 + 142 + 126 + 120 = 802$

Q.51) a

Average marks scored by all the students in Physics

=  $(629)/5 = 125.8$

Average marks scored by all the students in Biology

=  $611/5 = 122.2$

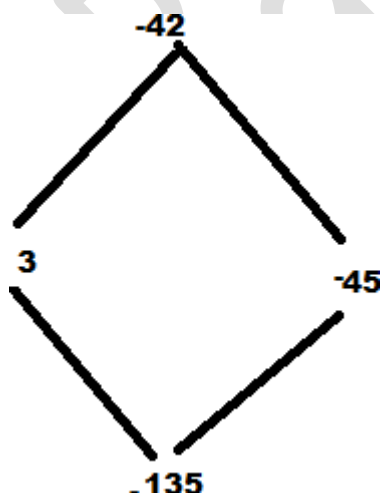
Required ratio =  $125.8 : 122.2 = 1258 : 1222 = 629 : 611$

Q.52) b

$x = -34905 + 30294 + 5611 = 1000$

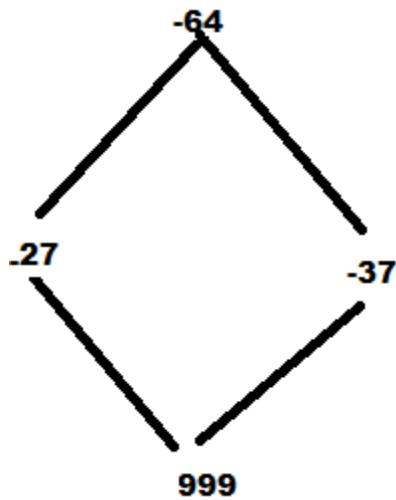
Q.53) b

From I,



Therefore,  $x = 45, -3$

From II,



Therefore,  $Y = 27/9, 37/9$

Hence, No relation can be determined between x and y.

Q.54) e

Total marks of 13 students =  $13 \times 60 = 780$

Total marks of 10 students =  $63 \times 10 = 630$

Total marks of Mohan, Raja and Priya =  $780 - 630 = 150$

$68 + A + A + 6 = 150$

$2A = 76$

$A = 38$

Q.55) b

Let the number of boys =  $2x$  and girls =  $3x$

Boys who play hockey =  $2x - 2000$

Girls who play hockey =  $3x - 2000$

$(2x - 2000)/(3x - 2000) = 4/7$

$x = 3000$

So, the total number of students =  $5x = 15000$

Q.56) e

Day	P	Q	R	Total
Monday	490	390	310	1190

Tuesday	330	440	260	1030
Wednesday	460	340	480	1280
Thursday	280	360	420	1060
Friday	320	340	280	940
Saturday	300	370	440	1110
Total	2180	2240	2190	

Total distance on Tuesday = 1030

Time =  $1030/25 = 41.2$  hr

Total distance on Saturday = 1110

Time =  $1110/25 = 44.4$  hr

Required difference =  $(44.4 - 41.2) = 3.2$  hr

Q.57) d

Day	P	Q	R	Total
Monday	490	390	310	1190
Tuesday	330	440	260	1030
Wednesday	460	340	480	1280
Thursday	280	360	420	1060
Friday	320	340	280	940
Saturday	300	370	440	1110
Total	2180	2240	2190	

Total distance travelled by P = 2180

Required average =  $2180/6 = 363.33$

Q.58) c

The ratio of shares of P, Q and R in the profit.

= Rs.12000: Rs.14000: Rs.16000 = 6 : 7 : 8

Let k be the profit obtained

Share of R in the profit

$$= \frac{8}{21} K = 3200$$

K = 8400

Therefore the difference between the shares of Q and P in the profit =  $\left(\frac{7}{21} - \frac{6}{21}\right) (Rs. 8400)$

= Rs.400

Q.59) d

The difference is,

+25    +50    +150    +750    +5250

Q.60) b

$$X = 53 + 47 = 100$$

Q.61) e

Total marks of Ram = 802

Total marks of Kavya = 763

Total marks of Sira = 708

Total marks of Mohana = 725

Total marks of Prasath = 688

Hence, Mohana has scored third highest total marks.

Q.62) c

We need to check it through options,

Only in the option 3, Ratio of two rupee coin and five rupee coin in the possible ratio.

$$\text{Two rupee coin} = 99 \times \frac{3}{11} = 27$$

$$\text{Five rupee coin} = 99 \times \frac{8}{11} = 72$$

The only possible ratio = 3: 8

Q.63) d

$$3^x = \frac{9^9}{3^9} = 3^9$$

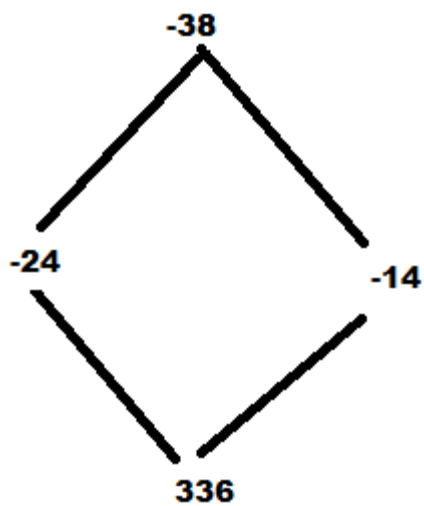
Q.64) d

From I,

$$\text{Let } a = \frac{1}{\sqrt{x}}$$

$$a^2 = \frac{1}{x} \text{ and } x = \frac{1}{a^2}$$

$$6a^2 - 38a + 56 = 0$$



Therefore,  $a = 24/4, 14/6 = 6, 7/3$

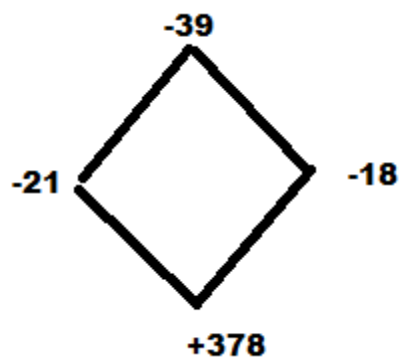
$X = 1/36, 9/49$

From II,

Let  $b = 1/\sqrt{y}$

$b^2 = 1/y$  and  $y = 1/b^2$

$9b^2 - 39b + 42 = 0$



Therefore,

$b = 21/9, 18/9 = 7/3, 2$

$y = 9/49, 1/4$

Hence,  $x \leq y$

Q.65) d

Day	P	Q	R	Total
Monday	490	390	310	1190
Tuesday	330	440	260	1030
Wednesday	460	340	480	1280

Thursday	280	360	420	1060
Friday	320	340	280	940
Saturday	300	370	440	1110
Total	2180	2240	2190	

Distance travelled by Q = 2240

Distance travelled by R = 2190

$$\text{Required percentage} = \frac{2240}{2190} \times 100 = 102.28\%$$

Q.66) e

Let A be the amount obtained when Rs. 4000 is compounded annually.

$$A = 8000 (1 + 10/100)^3$$

$$= 10648$$

$$\text{C.I} = \text{Rs} (10648 - 8000) = 2648$$

$$\text{S.I} = 1324$$

$$\text{Therefore, } P = \frac{1324 \times 100}{4 \times 10} = 3310$$

Q.67) b

On solving the 2 equations we get

$$X = 17, y = 18$$

Hence,  $x < y$

Q.68) c

$$\text{Ratio in investments} = 27 : 18$$

$$\text{Sum of ratios} = 45$$

$$\text{Difference of ratio} = 9$$

$$\text{Total profit} = 45 \times \frac{500}{9} = \text{Rs. } 2500$$

$$\text{Profit of A} = 2500 \times 27/45 = \text{Rs. } 1500$$

Q.69) e

$$X = 3174 + 49 + 4411.8 - 6931.8 = 703$$

Q.70) b

On solving two equations we get,

$$X = 2, y = 3$$



Hence  $x < y$

71) b

72) d

73) c

74) d

75) c

76) a

77) e

78) e

79) d

80) b

81) a) Replace 'a' by 'an'.

82) b) Replace 'on' with 'of'.

83) c) Remove 'been' before 'booked'.

84) a) Replace 'has' by 'has been'.

85) c) Replace 'candidate' by 'candidates'.

86) e) No error.

87) b) Replace 'family' by 'families'.

88) a) Replace 'hardly' by 'hard'.

89) e) No Error .

90) d) Replace 'on' with 'in'.

91) c

92) a

93) e

94) c

95) b

96) d

97) b

98) c

99) d

100) a

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