

**Important Questions of Reasoning Aptitude**

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

Point B is in 12m north of point A. Point B is 10m in west of point C. Point C is 20m north of point D. Point D is 15m east of Point E. Point F is 10m north of point E. Point G is 5m east of point F.

**Q1.** If a person starts walking from point G, then at which point he will reach first?

- (a) E
- (b) A
- (c) F
- (d) B
- (e) C

**Q2.** If Point U is 8m south of point A then what will be the distance between point U and E?

- (a) 9m
- (b) 5m
- (c) 4m
- (d) 6m
- (e) 7m

**Q3.** Point C is in which direction from point E?

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

**Directions (4-8):** Study the information carefully and answer the questions given below.

Seven persons sit around a circular table. Some of them face towards the center and some of them face outside the center. J and K sit immediate left to each other. M sits second to the right of K. Two persons sits between S and M. P sits third to the left of L who is not immediate neighbor of K. Immediate neighbor of L face opposite direction to L. Y face opposite direction to P. Immediate neighbor of Y face opposite direction to each other. Not more than three persons face towards the center.

**Q4.** Who among the following person sit second to the right of Y?

- (a) J
- (b) P
- (c) S
- (d) K
- (e) None of these

**Q5.** How many persons face opposite to the center?

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

**Q6.** How many persons are sitting between S and P, when counted left of P?

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

**Q7.** Four of the following five are alike in certain way based from a group, find the one that does not belong to that group?

- (a) Y-K
- (b) K-P
- (c) M-P
- (d) L-S
- (e) J-L

**Q8.** What is the position of Y with respect to K?

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

**Direction (9-11):** In each question below some statements are given followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then

decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts.

**Q9.** Statements: Only a few scene are Old.

All old are shoes.

No shoes is a slipper.

Conclusions: I. Some slippers are scene.

II. All shoes being scene is a possibility.

III. At least some slippers are shoes.

- (a) Only I follows
- (b) Only I and II follow
- (c) Only II and III follow
- (d) All follow
- (e) None of these

**Q10.** Statements: No radio is a bullet.

No holy is a bullet.

Some holy are foods.

Conclusions: I. No radio is a holy.

II. Some foods are not bullets.

III. All foods are definitely not holy.

- (a) Only II and III follow
- (b) Only I and II follow
- (c) Only II follows
- (d) All I, II and III follow
- (e) None of these

**Q11.** Statements: All plates are tables.

No table is a toast.

Some doors are toasts.

Conclusions: I. Some doors are definitely not tables.

II. Some plates are door is a possibility.

III. No plate is a toast.

- (a) Only II and III follow
- (b) Only I and II follow
- (c) Only II follows
- (d) All I, II and III follow
- (e) None of these

**Q12.** Which of the following elements should come in a place '\_\_\_'?

AC24 EG20 JL15 \_\_\_\_\_

- (a) OQ10
- (b) PR9
- (c) NP11
- (d) MQ10
- (e) None of these

**Q13.** In a class of 40 students Rohan rank is 21 from the bottom and Arun is 2 ranks below Rohan, then what is the rank of Arun from the top?

- (a) 21
- (b) 22
- (c) 25
- (d) 24
- (e) 20

**Q14.** How many pairs of letters are there in the word "SUPERNATURAL" each of which have as many letters between them in the word as they have between them in the English alphabetical series (both forwards and backward direction)?

- (a) Five
- (b) Three
- (c) Two
- (d) Four
- (e) More than five

**Q15.** Which of the following will be definitely false, if the given expression " $M=Z>S =L<K\geq Q=D>C >W=O>I$ " is definitely true?

- (a)  $L < M$
- (b)  $K > S$
- (c)  $O < Q$
- (d)  $K \geq C$
- (e)  $I < D$

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

Nine persons live in a building on 9 different floors in such a way that ground floor is numbered as 1 and top floor is numbered as 9. E lives on an odd number floor above the floor number 5. There are two persons live between E and G. B lives on odd number floor but not immediate above and immediate below G. There are as many persons live between G and F as live between G and K. F lives below G. H live on ground floor. There is one person lives between C and E. D does not live on an even number floor. A lives on even numbered floor but above on 2<sup>nd</sup> floor.

**Q16.** Which of the following is true with respect to A as per the given arrangement?

- (a) Only three persons live between A and H  
(b) Only three persons live above A.  
(c) Only one person lives between A and G.  
(d) A lives on even numbered floor.  
(e) None of these.

**Q17.** On which of the following floor number does D live?

- (a) Third  
(b) First  
(c) Second  
(d) Fifth  
(e) Seventh

**Q18.** Who lives on the floor immediately below C?

- (a) F  
(b) A  
(c) G  
(d) H  
(e) E

**Q19.** How many persons live between the floors on which H and G live?

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

**Q20.** Who lives on the floor numbered 5?

- (a) F  
(b) H  
(c) G  
(d) B  
(e) None of these

**Directions (21-25):** Following questions are based on the five three-digit numbers given below.

947 376 694 739 863

**Q21.** If all the digits in each of the numbers are arranged in increasing order within the number, then, which of the following number will become the lowest in the new arrangement of numbers?

- (a) 947  
(b) 863

- (c) 739  
(d) 694  
(e) 376

**Q22.** If all the numbers are arranged in ascending order from left to right then, which of the following will be the sum of all the three digits of the number which is 2nd from the right in the new arrangement?

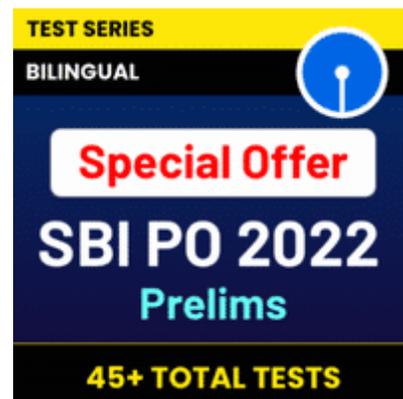
- (a) 18  
(b) 19  
(c) 15  
(d) 16  
(e) None of these

**Q23.** What will be the difference when third digit of the 3rd lowest number is multiplied with the second digit of the highest number and third digit of the 2nd highest number is multiplied with the second digit of the lowest number?

- (a) 21  
(b) 20  
(c) 15  
(d) 16  
(e) None of these

**Q24.** If the positions of the second and the third digits of each of the numbers are interchanged then, how many even numbers will be formed?

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



**Q25.** If one is added to the second digit of each of the numbers and one is subtracted from the third digit of each number then, how many numbers thus formed will be divisible by three in new arrangement?

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

Directions (26-30): Study the following information carefully and answer the given questions.

In a certain code language,

'Logitech And the Logo' is coded as 'yi pq mn as'  
'Registered Trademark and the' is coded as 'mn bn st pq'

'Registered Corporate the Logo' is coded as 'cd as mn bn'

**Q26.** Which of the following is the code for 'and'?

- (a) st
- (b) bn
- (c) pq
- (d) mn
- (e) None of these

**Q27.** Which of the following word is coded as 'mn'?

- (a) Corporate
- (b) Logo
- (c) Trademark
- (d) Registered
- (e) None of these

**Q28.** What may be the code of 'Corporate society'?

- (a) st pq
- (b) cd mn
- (c) pq bn
- (d) mn pq
- (e) cd qw

**Q29.** Which of the following code is coded for 'logitech'?

- (a) mn
- (b) pq

- (c) bn
- (d) cd
- (e) None of these

**Q30.** What will be the code of 'the Logo'?

- (a) st pq
- (b) cd as
- (c) cd pq
- (d) mn as
- (e) st bn

**Direction (31-33): Study the following information carefully and answer the given questions.**

Eight members A, B, C, D, E, F, G and H in a family, there are three married couple in this three-generation family. A is the son-in-law of H who has only one daughter. B is the maternal grandmother of F. C is the only son of D who is the father of H. E is the sister-in-law of F. C is unmarried. F is not a male member. G is spouse of H. E is unmarried.

**Q31.** If K is the father of G, then what is the relation of K with respect to F?

- (a) Paternal grandfather
- (b) Maternal grandfather
- (c) Father
- (d) Brother-in-law
- (e) Son-in-law

**Q32.** If C is married to R, then who among the following will be nephew of R?

- (a) E
- (b) A
- (c) F
- (d) G
- (e) None of the above

**Q33.** Who among the following is the brother-in-law of G?

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

**Direction (34-38):** Read the following alphanumeric series carefully and answer the questions given below.

Seven people K, L, M, N, O, P and Q like different colors i.e., purple, white, yellow, green, black, red and blue but not necessarily in the same order. Each one of them works in either of the three departments of a company i.e., Marketing, HR and Finance. At least two persons work in each department.

**Note:** If it is given that 'X' works with the one who likes 'Y', then it means that both 'X' and the one who likes 'Y' work in the same department and also X does not like Y.

L works in HR department with the one who likes Yellow. L neither likes Black nor Green. M neither works in Marketing department nor HR department. M neither likes Black nor Green. Those who like Green and Black, work in same department. P neither works with the one who likes Black nor with L. K works only with the one who likes Red. N works with the one who likes Blue. N neither works in Finance department nor likes Green. P doesn't like Red and Q doesn't work with M. O doesn't like Blue and M doesn't like White.

**Q34.** Who among the following works in Finance department?

- (a) The one who likes Green
- (b) The one who likes Purple
- (c) Q
- (d) O
- (e) None of these

**Q35.** Who among the following likes Green color?

- (a) Q
- (b) O
- (c) P
- (d) N
- (e) None of these

**Q36.** The one who likes White color works in which department?

- (a) Either Marketing or Finance
- (b) Marketing
- (c) HR

- (d) Finance
- (e) None of these

**Q37.** Who among the following works with O?

- (a) Only N
- (b) Only M
- (c) N and Q
- (d) N and the one who likes White
- (e) None of these

**Q38.** Four of the following five are alike in a certain way and hence form a group. Find the one who doesn't belong to that group?

- (a) M, Black
- (b) N, Green
- (c) K, Red
- (d) P, Purple
- (e) O, Blue

**Direction (39-40):** Read the following information carefully to answer the questions given below:

There are seven members in a family. There are three married couples in the family. A is the mother of C. D is the daughter of B. L is the niece of N who is a female but not the daughter of A. E is the son-in-law of A. B and C are males. Both children of A are married.

**Q39.** Who among the following is the wife of C?

- (a) N
- (b) L
- (c) D
- (d) Cannot be determined
- (e) None of these

**Q40.** How is B related to L?

- (a) Brother
- (b) Husband
- (c) Grandfather
- (d) Father
- (e) Cousin

**Direction (41-45):** Study the following information carefully and answer the questions accordingly.

Six people A, B, C, D, E, and F buy different articles i.e., Shirt, Mobile, Laptop, Trouser, Cap, and Jacket on six different days of the same week starting from Monday to Saturday but not necessarily in the same order. The Shirt was bought on Friday. Two people bought the articles between B and the one, who bought the Shirt. Mobile was bought before B. Only one person bought the article between C and the one, who bought the Mobile. A bought the laptop but not on Saturday. The Cap was bought immediately before the Trouser. E buys neither Mobile or Shirt. F bought the article before D.

**Q41.** Who bought the Jacket?

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

**Q42.** F bought which of the following articles?

- (a) Laptop
- (b) Mobile
- (c) Cap
- (d) Shirt
- (e) None of these

**Q43.** How many articles were bought after the Cap?

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

**Q44.** Find the correct combination.

- (a) Tuesday - D
- (b) Friday - Jacket
- (c) Monday - B
- (d) Thursday - Laptop
- (e) None is correct

**Q45.** Four of the following five are alike in a certain way and hence form a group. Find the one which doesn't belong to that group?

- (a) F - Cap
- (b) A - Shirt

- (c) B - Trouser
- (d) D - Jacket
- (e) C - Shirt

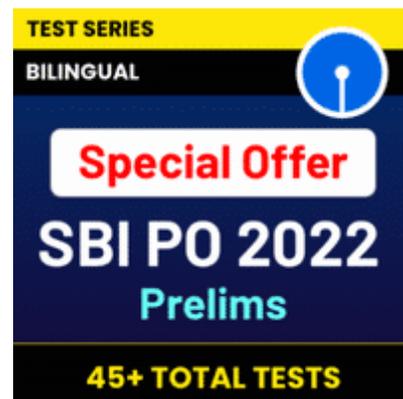
**Directions (46-50):** Read the following information carefully and answer the given questions.

Eight persons P, Q, R, S, T, U, V and W sitting around a square table in such a way that four of them sit at four corners, who are facing towards center, and rest four who sits at the middle of the side, are facing outside the center. They were born on the same day of the same month but in different years. All their ages are to be considered from the base year i.e., 2018.

P is 10 years old and sits at the corner. Only two persons sit between P and the one who was born in 1991. W sits second to the left of the one who is 27 years old. V is 8 years old and sits third to the right of R. R does not sit at the middle of the side. S sits third to the left of the one who is 18 years old. Age difference between T and the one who sits immediate left of P is 18 years. R is 9 years younger than S who was born in 1988. Q sits second to the right of the one who is 4 years old. S does not sit at the middle of the side.

**Q46.** Who sits exactly between the one who is 18 years old Q?

- (a) P
- (b) S
- (c) R
- (d) V
- (e) T



**Q47.** Four of the following five are alike in a certain way based on their seating positions in the above arrangement and so from a group. Who among the following does not belong to that group?

- (a) U
- (b) Q
- (c) The one who was born in 2010
- (d) The one who is 21 years old
- (e) W

**Q48.** What is the position of V with respect to T?

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

**Q49.** How many persons sit between S and the one who was born in 1997 when counted right from S?

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

**Q50.** Who sits diagonally opposite to the one who is 10 years old?

- (a) The one who was born in 1991
- (b) T
- (c) The one who was born in 2010
- (d) R
- (e) S

**Directions (51-53):** In each of the questions given below some statements are followed by some conclusions. 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.

**Q51.** Statements: Only a few green is blue.

No white is green.

Only a few pink is white.

Conclusions: I. Some pink is green is a possibility.

II. All white is blue is a possibility.

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

**Q52.** Statements: Only a few summer is Ice cream.

All Ice cream is cold.

Only cold is freeze.

Conclusions: I. Some Freeze is ice cream.

II. All cold is summer is a possibility.

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

**Q53.** Statements: All computer is laptop.

Some mobile is computer.

Only a few charger is laptop.

Conclusions: I. All charger is computer is a possibility.

II. All mobile is charger is a possibility

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

**Q54.** How many meaningful four-letter words can be formed using 1<sup>st</sup>, 4<sup>th</sup>, 6<sup>th</sup> and 8<sup>th</sup> letter of the word 'CUCUMBER' using each letter only once?

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

**Q55.** If 1 is subtracted from each odd and 2 is subtracted from each even number in 9634882937, then how many digits will appear thrice in the new number thus formed?

- (a) None
- (b) One
- (c) Two

- (d) Three  
(e) Four

**Direction (56-60):** In the following questions, the symbols #, &, @ and \$ are used with the following meanings as illustrated below. Study the following information and answer the given questions:

Note: The directions which are given indicates exact directions.

P#Q - P is in the south direction of Q.

P@Q - P is in the north direction of Q.

P&Q - P is in the east direction of Q.

P\$Q - P is in the west direction of Q.

P£QS - P is the mid-point of QS vertically.

Point B is \$24m of point C. Point X£BC. Point E is @23m of point F. Point B is #10m of point A. Point D is &12m of point E. Point H is @5m of point G. Point G is \$12m of point F. Point C is #15m of point D.

**Q56.** What is the shortest distance between point A to Point X?

- (a) 16m  
(b) 10m  
(c)  $2\sqrt{61}$ m  
(d)  $5\sqrt{13}$ m  
(e) None of these

**Q57.** What is the direction of point D with respect to point G?

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

**Q58.** If Point M is @10m of point C, then what is the shortest distance and direction of point M with respect to point E?

- (a) 13m, North-West  
(b) 15m, North  
(c) 10m, South-west  
(d) 13m, South-east  
(e) None of these

**Q59.** What is the direction of point F with respect to point C?

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

**Q60.** What is the direction and shortest distance of point A with respect to point G?

- (a) 18m, North  
(b) 15m, North-east  
(c) 13m, South  
(d) 19m, South-west  
(e) None of these

**Directions (61-65):** Study the following information carefully and answer the given questions.

Six friends H, M, N, Q, R and S are sitting around the circular table but not necessarily in the same order. Some of them are facing outside the center while some of them are facing towards the center. Each of them likes different color viz. White, Black, Pink, Blue, Orange and Grey, but not necessarily in the same order.

S sits second to the left of R. N sits opposite to the one who likes Blue. Q faces outside the center and doesn't like Black. H doesn't like White and facing opposite direction to N. H sits immediate right of N, who doesn't like Blue. Two people sits between H and the one who likes Orange. The one who likes White is not an immediate neighbor of R. The one who sits second to the right of Q likes Orange. The one who likes pink sits opposite to M. Neither S nor N likes White. The one who likes grey sits second to the left of the one who likes White. S faces same direction as M but opposite to Q.

**Q61.** Who among the following person sits to the immediate left of M?

- (a) H  
(b) R  
(c) S  
(d) Q  
(e) N

**Q62.** Which of the following color is liked by R?

- (a) Grey
- (b) Black
- (c) De-Milano
- (d) Orange
- (e) Blue

**Q63.** Which of the following combinations of "Person - Color" is true?

- (a) N - Black
- (b) S - Pink
- (c) Q - Orange
- (d) N - Grey
- (e) R - Pink

**Q64.** How many persons sits between Q and R when counted in clock-wise direction from Q?

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

**Q65.** Who among the following faces outside the center?

- (a) S
- (b) M
- (c) N
- (d) H
- (e) None of these

**Q66.** If 2 is subtracted from each even number and 1 is added to each odd number in the number 75847361, then how many digits will appear twice in the new number thus formed?

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

**Q67.** There are five persons i.e., P, Q, R, S and T. If S is shorter than T and P. Q is taller than T who is not the taller than P. Q is taller than only two persons. P is not the tallest, then who is the third tallest person among all?

- (a) P
- (b) S
- (c) Q
- (d) R
- (e) None of these

**Q68.** In a class Shivani is 20th from the top and Monica is 20th from the bottom. Dheeraj is at 6<sup>th</sup> rank below Shivani and at 5<sup>th</sup> rank above Monica. How many students are in the class if list includes all the students of the class?

- (a) 50
- (b) 51
- (c) 52
- (d) 58
- (e) None of these

**Q69.** Dinesh rank is 6th from the top and eighteenth from the bottom in the class. How many students are there in the class?

- (a) 29
- (b) 28
- (c) 27
- (d) 25
- (e) None of these

**Q70.** How many words can be formed from the 4<sup>th</sup>, 5<sup>th</sup>, 6<sup>th</sup> and 7<sup>th</sup> letter of a word 'WITHDRAW' by using each letter once in the word?

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

**Directions (71-75):** In these questions, relationship between different elements is shown in the statements. These statements are followed by two conclusions. Mark answer

- (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 conclusion I and II are true.

**Q71.** Statements:  $B \leq C = D$ ,  $A > B$ ,  $D \leq E$ ,  $C \geq F = G$

Conclusions: I.  $B \geq G$                       II.  $E \geq G$

**Q72.** Statements:  $H \geq T$ ,  $T > S \leq Q$ ,  $T \geq U = V$

Conclusions: I.  $U \leq H$                       II.  $S < H$

**Q73.** Statements:  $A > B \geq L$ ,  $R > B = H$

Conclusions: I.  $A < L$                       II.  $R > L$

**Q74.** Statements:  $P > K = L$ ,  $P \leq S < Q$ ,  $T > K$

Conclusions: I.  $Q > K$                       II.  $Q < T$

**Q75.** Statements:  $P < H$ ,  $V \geq S > H$ ,  $N \geq V$

Conclusions: I.  $N \geq P$                       II.  $S > P$

**Directions (76-80):** Answer the following question based on the information given below.

Six people (R, S, T, U, V and W) like different colors among Red, Green, Blue, White, Pink and Cyan. They visit three different cities like Noida, Dehradun, Shimla such that two people visit each city.

The one who likes white does not visit Dehradun. R who likes green, visits Shimla. S and the one who likes blue, visit the same city. U likes pink but does not visit Shimla. T neither likes blue nor visits the same city as U. V likes cyan but does not visit Dehradun.

**Q76.** W visits which of the following city?

- (a) Shimla
- (b) Dehradun
- (c) Noida
- (d) Either Shimla or Noida
- (e) None of these

**Q77.** T likes \_\_\_\_\_ and visits \_\_\_\_\_.

- (a) White, Shimla
- (b) White, Noida
- (c) Red, Shimla
- (d) Blue, Dehradun
- (e) None of these

**Q78.** Who among the following person visits the same city as U?

- (a) S
- (b) V

- (c) W
- (d) R
- (e) None of these

**Q79.** Which of the following pair visit Noida?

- (a) T, S
- (b) T, W
- (c) V, U
- (d) T, V
- (e) None of these

**Q80.** Which of the following statement is correct?

- (a) V likes cyan and visits Dehradun
- (b) S likes white
- (c) W likes blue and visits Noida
- (d) T likes red and visits Shimla
- (e) U visits Noida

**Direction (81-85):** In the following questions assuming the given statement to be true, find which of the conclusion(s) among given conclusions is/are definitely true and then give your answers accordingly.

**Q81.** Statement:  $T > M > O \leq D$ ,  $L = K > S > D \geq B$

Conclusions: I.  $L = O$                       II.  $L > O$

- (a) Only I is true
- (b) Only II is true
- (c) Either I or II is true
- (d) Neither I nor II is true
- (e) Both I and II are true

**Q82.** Statement:  $L > K \leq J = H > G = F > D > S = A < Z < X < C = V$

Conclusions: I.  $H < X$                       II.  $J > A$

- (a) Only I is true
- (b) Only II is true
- (c) Either I or II is true
- (d) Neither I nor II is true
- (e) Both I and II are true

**Q83.** Statements:  $G > S > O = P < R$ ,  $O \geq T > B > W \leq A$

Conclusions: I.  $R \geq T$                       II.  $G > A$

- (a) Only I is true
- (b) Only II is true

- (c) Either I or II is true
- (d) Neither I nor II is true
- (e) Both I and II are true

**Q84.** Statements:  $D \leq E < F = G$ ;  $J > F > H > I$ ;  $L > J < K$

Conclusions: I.  $D < J$                       II.  $K > I$

- (a) Only I is true
- (b) Only II is true
- (c) Either I or II is true
- (d) Neither I nor II is true
- (e) Both I and II are true

**Q85.** Statements:  $P > O \leq N < M$ ;  $S < O \leq Q \leq R$ ;  $S > T > U$

Conclusions: I.  $M > S$                       II.  $U < M$

- (a) Only I is true
- (b) Only II is true
- (c) Either I or II is true
- (d) Neither I nor II is true
- (e) Both I and II are true

**Directions (86-87):** Answer the following question based on the information given below.

There are eight members F, G, I, J, K, L, M and N in the family which has three generations and three married couples. M is only daughter-in-law of I. J is daughter of G who is married. N is son of F who is sister-in-law of J. K is father of I. N is not a married member.

**Q86.** How is J related to L?

- (a) Aunt
- (b) Wife
- (c) Sister
- (d) Sister-in-law
- (e) Mother

**Q87.** How many male members in the family?

- (a) Four
- (b) Three
- (c) Five
- (d) Can't be determined
- (e) None of these

**Directions (88-90):** Answer the following question based on the information given below.

There are eight members A, B, C, D, E, F, G and H in a family which consist of three generations. There are three married couples in the family.

H is maternal grandfather of D who is brother-in-law of G. B is nephew of C. E is daughter of A. F is brother-in-law of C. F is father of B who is married to G. C is not the sister of E.

**Q88.** How is E related to F?

- (a) Sister
- (b) Wife
- (c) Sister-in-law
- (d) Mother
- (e) Can't be determined

**Q89.** How is A related to B?

- (a) Mother-in-law
- (b) Maternal grandmother
- (c) Paternal grandmother
- (d) Father-in-law
- (e) None of the above

**Q90.** How many male members are there in the family?

- (a) Three
- (b) Four
- (c) Five
- (d) None of these
- (e) Can't be determined

**Directions (91-95):** Study the following information carefully and answer the questions given below:

Twelve people are sitting in two parallel rows containing six people each, in such a way that there is an equal distance between adjacent persons. In row-1 A, B, C, D, E and F are seated and all of them are facing south. In row-2 P, Q, R, S, T and V are seated 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.

P sits third to the left of T. Neither P nor T sits at an extreme end of the line. A sits second to the right of E. Neither A nor E faces T or P. A does not sit at an extreme end. R does not face A and R does not sit at an extreme end of the line. Only one person sits between F and C. Neither F nor C faces T. C does not

sit at the extreme end. Only one person sits between V and Q. F is not an immediate neighbour of B. A does not face V.

**Q91.** How many people sit to the right of V?

- (a) One
- (b) Two
- (c) Three
- (d) No one
- (e) Five

**Q92.** V is related to B in the same way as Q is related to C. Which of the following is related to P, following the same pattern?

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

**Q93.** Which of the following is true regarding V?

- (a) V faces A
- (b) T is not an immediate neighbour of V.
- (c) C faces the one who is second to left of V
- (d) V sits at one of the extreme ends of the line
- (e) R sits third to the right of V

**Q94.** Who among the following sit at extreme ends of the rows?

- (a) D, F
- (b) V, S
- (c) Q, S
- (d) B, D
- (e) None of these

**Q95.** Who among the following faces B?

- (a) V
- (b) S
- (c) Q
- (d) R
- (e) T

**Q96.** Four of the following are alike in a certain way so form a group, which among the following does not belong to that group?

- (a) CEHL
- (b) PRUY
- (c) FHKO

- (d) QSUX
- (e) JL0S

**Q97.** How many pairs of letters are there in the word 'ATMOSPHERE', each of which as many letters between then in the word have as they have between then in the English alphabet?

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

**Q98.** If in the word **GEOGRAPHY**, all vowels are replaced by its next letter and all consonant is replaced by its previous letter, then all letters are arranged in alphabetical order from left to right. Then which of the following letter fourth from the right end?

- (a) P
- (b) B
- (c) G
- (d) O
- (e) F

**Q99.** If the number '53982764', One is subtracted in odd digit and one is added in even digit of the number then numbers are arranged in ascending order from left to right. Then what is the sum of the digit which is third from the left end and the digit which is fourth from the right end?

- (a) 8
- (b) 12
- (c) 10
- (d) 5
- (e) None of these

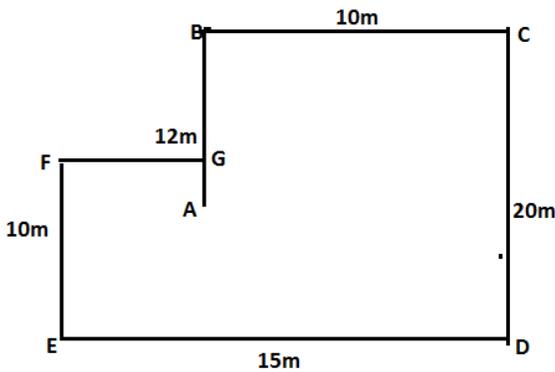
**Q100.** How many words can be formed from the 1<sup>st</sup>, 3<sup>rd</sup>, 6<sup>th</sup> and 8<sup>th</sup> letter of a word '**OPTIMISM**' by using each letter once in the word?

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

**Solutions**

**Solutions (1-3):**

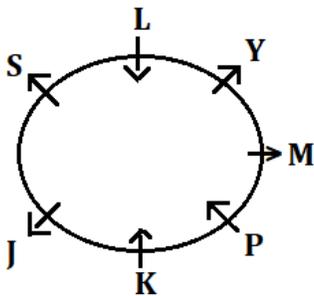
**Sol.**



- S1. Ans. (b)
- S2. Ans. (b)
- S3. Ans. (d)

**Solutions (4-8):**

**Sol.**

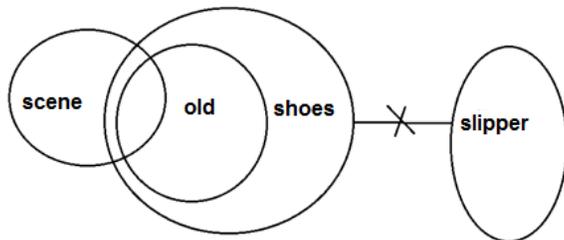


- S4. Ans. (b)
- S5. Ans. (d)
- S6. Ans. (b)
- S7. Ans. (b)
- S8. Ans. (d)

**Solutions (9-11):**

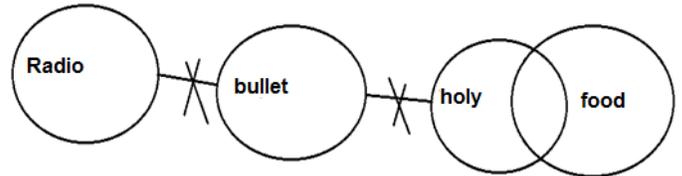
**S9. Ans.(e).**

**Sol.**



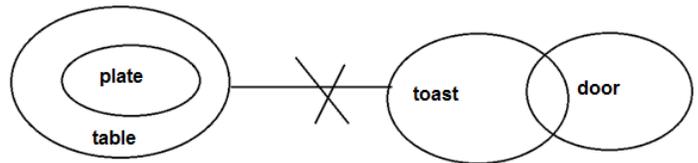
**S10. Ans.(c)**

**Sol.**



**S11. Ans.(d)**

**Sol.**

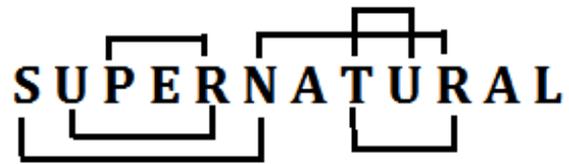


**S12. Ans(b)**

**S13. Ans.(b)**

**S14. Ans.(e)**

**Sol.**



**S15. Ans.(d)**

**Solutions (16-20):**

**Sol.**

Floor	Persons
9	B
8	A
7	E
6	K
5	C
4	G
3	D
2	F
1	H

**S16. Ans. (d)**

**S17. Ans. (a)**

- S18. Ans. (c)  
S19. Ans. (d)  
S20. Ans. (e)

**Solutions (21-25):**

- S21. Ans. (e)  
S22. Ans. (e)  
S23. Ans. (c)  
S24. Ans. (c)  
S25. Ans. (a)

**Solutions (26-30):**

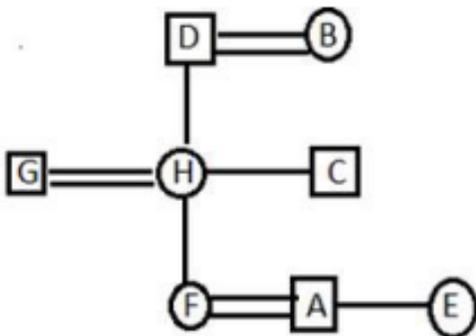
**Sol.**

Word	Code
The	mn
And	pq
Logo	as
Registered	bn
Corporate	cd
Logitech	yi
Trademark	st

- S26. Ans. (c)  
S27. Ans. (e)  
S28. Ans. (e)  
S29. Ans. (e)  
S30. Ans. (d)

**Solution (31-33):**

**Sol.**



- S31. Ans. (a)  
S32. Ans. (e)  
S33. Ans. (d)

**Solution (34-38):**

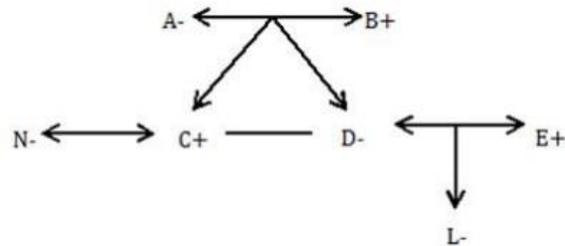
**Sol.**

Marketing Department		HR Department		Finance Department	
N	Black	L	Red	M	Purple
O	Green	K	Yellow	P	White
Q	Blue				

- S34. Ans. (b)  
S35. Ans. (b)  
S36. Ans. (d)  
S37. Ans. (c)  
S38. Ans. (a)

**Solution (39-40):**

**Sol.**



- S39. Ans. (a)  
S40. Ans. (c)

**Solution (41-45):**

**Sol.**

Monday	F	Mobile
Tuesday	B	Cap
Wednesday	C	Trouser
Thursday	A	Laptop
Friday	D	Shirt
Saturday	E	Jacket

**TEST SERIES**  
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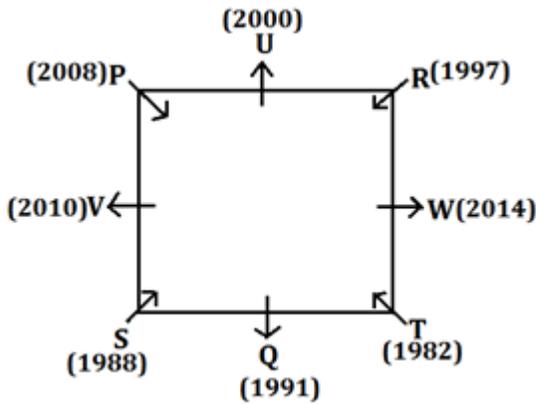
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- S41. Ans. (d)
- S42. Ans. (b)
- S43. Ans. (c)
- S44. Ans. (d)
- S45. Ans. (e)

Solution (46-50):

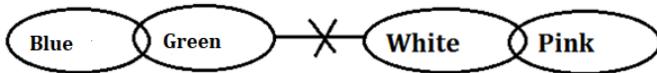


Sol.

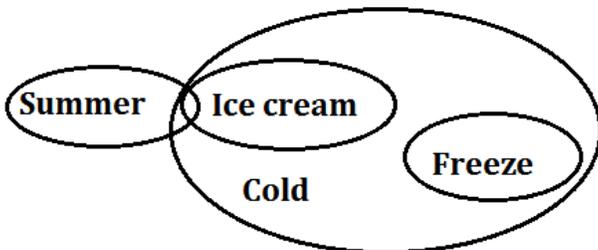
- S46. Ans.(d)
- S47. Ans.(d)
- S48. Ans.(a)
- S49. Ans.(d)
- S50. Ans.(b)

Solutions (51-53):

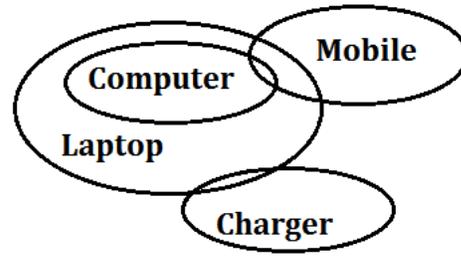
- S51. Ans.(a)
- Sol.



- S52. Ans.(e)
- Sol.



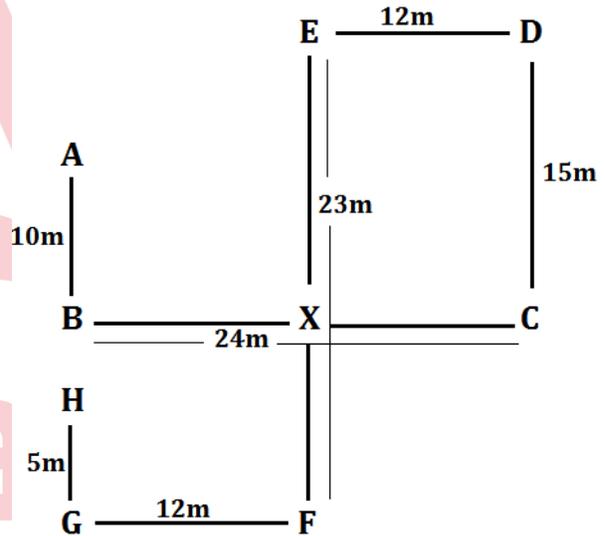
- S53. Ans.(c)
- Sol.



- S54. Ans.(a)
- Sol. CURB

- S55. Ans.(c)
- Sol. Original Number- 9634882937
- Obtained Number- 8422660826

- Solutions (56-60):
- Sol.



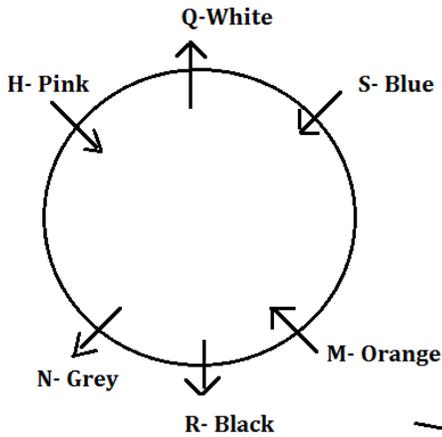
- S56. Ans.(c)
- S57. Ans.(a)
- S58. Ans.(d)
- S59. Ans.(b)
- S60. Ans.(a)

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**Solutions (61-65):**

Sol.



**S61. Ans. (b)**

**S62. Ans. (b)**

**S63. Ans. (d)**

**S64. Ans. (b)**

**S65. Ans. (c)**

**S66. Ans. (d)**

Sol. The given number --- 75847361

After applied operation-- 86628442

**S67. Ans. (c)**

Sol.  $R > P > Q > T > S$

**S68. Ans.(a)**

Sol. Total number of student in the class = 50

**S69. Ans.(e)**

Sol. Total number of students in the class=  $(6+18)-1 = 23$

**S70. Ans.(d)**

Sol. HARD

**Solutions (71-75):**

**S71. Ans.(b)**

Sol. I.  $B \geq G$  (false)      II.  $E \geq G$  (true)

**S72. Ans.(e)**

Sol. I.  $U \leq H$  (true)

II.  $S < H$  (true)

**S73. Ans.(b)**

Sol. I.  $A < L$  (false)

II.  $R > L$  (true)

**S74. Ans.(a)**

Sol. I.  $Q > K$  (true)

II.  $Q < T$  (false)

**S75. Ans.(b)**

Sol. I.  $N \geq P$  (false)

II.  $S > P$  (true)

**Solution (76-80):**

Sol.

Person	City	Color
R	Shimla	Green
S	Dehradun	Red
W	Dehradun	Blue
U	Noida	Pink
T	Shimla	White
V	Noida	Cyan

**S76. Ans. (b)**

**S77. Ans. (a)**

**S78. Ans. (b)**

**S79. Ans. (c)**

**S80. Ans. (e)**

**Solution (81-85):**

**S81. Ans. (b)**

Sol. I.  $L = O$  - False

II.  $L > O$  - True

**S82. Ans. (b)**

Sol. I.  $H < X$  - False

II.  $J > A$  - True

**S83. Ans. (d)**

Sol. I.  $R \geq T$  - False

II.  $G > A$  - False

**S84. Ans. (e)**

**Sol.** I.  $D < J$  - True

II.  $K > I$  - True

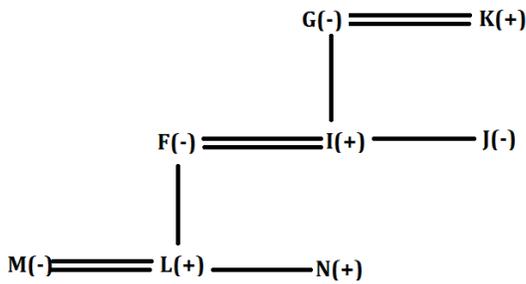
**S85. Ans. (e)**

**Sol.** I.  $M > S$  - True

II.  $U < M$  - True

**Solution (86-87):**

**Sol.**

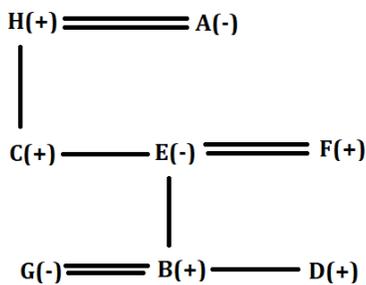


**S86. Ans. (a)**

**S87. Ans. (a)**

**Solution (88-90):**

**Sol.**



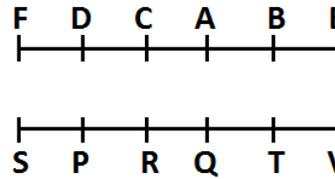
**S88. Ans. (b)**

**S89. Ans. (b)**

**S90. Ans. (c)**

**Solutions (91-95):**

**Sol.**



**S91. Ans. (d)**

**S92. Ans. (a)**

**S93. Ans. (d)**

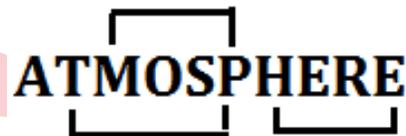
**S94. Ans. (b)**

**S95. Ans. (e)**

**S96. Ans. (d)**

**S97. Ans. (b)**

**Sol.**



**S98. Ans. (d)**

**S99. Ans. (c)**

**S100. Ans. (b)**

**Sol. Omit**