Topic: Inequality

Sub Type: Inequality-Single statement based on two conclusions

Directions (1-4): In the given questions, the relationship between different elements is shown in the statements followed by two conclusions. Find the conclusion which is definitely true.

1) Statements:

B>R=A>T<E≥N

Conclusions:

I.   E>B

II.   N<A

a) Only conclusion I is true

b) Only conclusion II is true

c) Either conclusion I or II is true

d) Neither conclusion I nor II is true

e) Both conclusions I and II are true

Answer: d

2) Statements:

Q<U≤A=T>I>O

Conclusions:

I. O<A

II. T>Q

a) Only conclusion I is true

b) Only conclusion II is true

c) Either conclusion I or II is true

d) Neither conclusion I nor II is true

e) Both conclusions I and II are true

Answer: e

3) Statements:

A=L≥B≥U=M≥C

Conclusions:

I. A=C

II. L>C

a) Only conclusion I is true

b) Only conclusion II is true

c) Either conclusion I or II is true

d) Neither conclusion I nor II is true

e) Both conclusions I and II are true

Answer: c

4) Statements:

Y<O≥U>R=S≥E

Conclusions:

I. O≥E

II. S<O

a) Only conclusion I is true

b) Only conclusion II is true

c) Either conclusion I or II is true

d) Neither conclusion I nor II is true

e) Both conclusions I and II are true

Answer: b

Direction (5-9): Study the following information carefully and answer the given questions

Six boxes viz., A, B, C, D, E and G are kept one above another in a stack. No other boxes are kept in the stack other than the given boxes.

Only three boxes are kept between A and B. C is kept immediately below B. Only one box is kept between G and C, which is kept below G. As many boxes kept above G as below D.

5. Which of the following box is kept three boxes below E?

a) G

b) C

c) A

d) **B**

e) D

6. How many boxes are kept between D and C?

a) One

b) **Two**

c) Three

d)Four

e) None

7. As many boxes kept between D and __ as between A and __ respectively.

a) B, E

b) B, G

c) A, B

d) **G, E**

e) C, D

8. Which of the following statements is/are NOT TRUE as per the given arrangement?

a) **Only one box is kept above A**

b) Odd number of boxes are kept between G and C

c) Box G is kept two boxes below box E

d) Both a and b

e) Both b and c

9. What is the position of box G?

a) First from the top

b) Third from the top

c) First from the bottom

d) Fifth from the bottom

e) **Fourth from the top**

Directions (5-9)

5. Answer: D

6. Answer: B

7. Answer: D

8. Answer: A

9. Answer: E

Final arrangement:

Boxes
A
E
D
G
B
C

Topic: Blood Relation

Sub Topic: Blood Relation-Paragraph based

Directions (10-12): Study the following information carefully and answer the given questions:

F is the mother of only D and A. C is the brother-in-law of D, who is an unmarried male member of the family. E is the daughter of C, who is the son-in-law of L. B is the granddaughter of L.

10. Who among the following is the granddaughter of F?

(a) L

(b) C

(c) B

(d) E

(e) Both (c) and (d)

Answer: e

11. How D is related to E?

(a) Grandfather

(b) Brother-in-law

(c) Uncle

(d) Brother

(e) None of these

Answer: c

12. How many female members are there in the family?
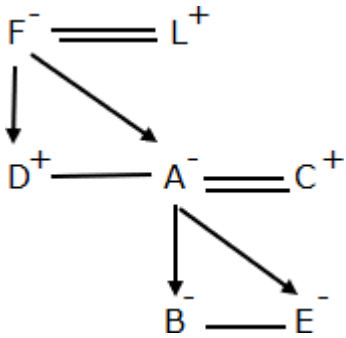
(a) Five

(b) Two

(c) Three

(d) Four

(e) cannot be determined

Answer: d

Explanation:

Topic: Seating arrangement

Sub Topic: Seating arrangement - Unknown linear seating arrangement

Directions (13-16): Study the following information carefully and answer the given questions.

A certain number of persons are sitting in a linear row and facing north with equal distance between adjacent persons.

Only three persons sit between A and B. B sits second to the right of C. Only one person sits between D and A. Only four persons sit to the right of D. G sits third to the left of B. F sits fifth to the right of G. As many persons sit to the right of D as to the left of E, who sits immediate right of C.

13. How many persons sit between E and D?

a) Two

b) Three

c) Six

d) One

e) No one

14. How many persons are sitting in the row?

a) 16

b) 20

c) 23

d) 18

e) 12

15. Who among the following person sits third from one of the extreme ends of the row?

a) C

b) G

c) E

d) D

e) A

16. What is the position of E with respect to G?

a) Second to the left

b) Third to the right

c) Second to the right

d) Fourth to the right

e) Third to the left

Directions (13-16):

13. Answer: c

14. Answer: a

15. Answer: b

16. Answer: c

Final arrangement:

G C E B F A D

Topic: Miscellaneous

Sub Topic: Miscellaneous – Pairs of letters

17. How many such pairs of letters are in the word "ANCHORED" each of which has as many letters between them in the word as there are in

the English alphabetical series (both forward and backward directions)?

a) One

b) Three

c) Four

d) More than four

e) Two

Answer: d

Directions (18-19): Study the following statements and then decide which of the given conclusions logically follows from the given statements disregarding the commonly known facts.

18. Statements: Only a few Avocados are Apple;

Some Apples are Apricot

Conclusions:

I. All Apricots can be Avocado

II. Some Avocados are not apple

a) Only conclusion I follows

b) Only conclusion II follows

c) Both conclusions I and II follow

d) Either conclusion I or II follows

e) Neither conclusion I nor II follows

19. Statements: All Cottons are Wool; No Chiffon is a cotton

Conclusions:

All chiffons are wool is a possibility

No Wool is a Chiffon

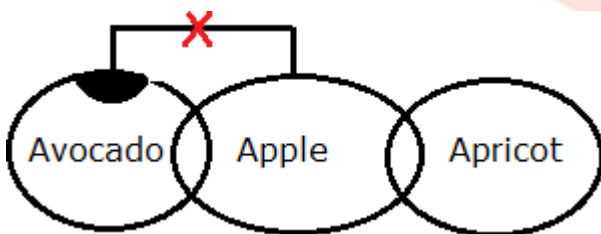**a) Only conclusion I follows**

b) Only conclusion II follows

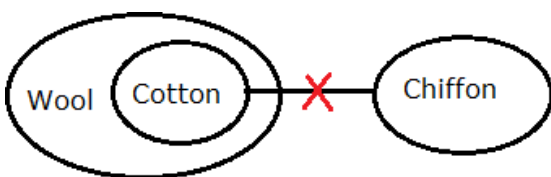c) Both conclusions I and II follow

d) Either conclusion I or II follows

e) Neither conclusion I nor II follows

Explanation:

18. Answer: C

19. Answer: A

Direction (20-24): Study the following information carefully and answer the given questions

Seven persons - A, B, C, D, E, F and G are working in the company at different designations such as Chief technical officer (CTO), Project head (PH), Software project manager (SM), System admin (SA), LSP, SE and ST.

Note: The designations are given in decreasing order such that CTO is the seniormost and ST is the juniormost designation.

A is senior to SA. C is immediately senior to A. As many persons senior to C as junior to G. F is immediately senior to D, who is not SE. E is senior to B but junior to D.

20. Who among the following person is designated three persons senior to B?

a) C

b) **F**

c) A

d) D

e) G

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21. How many persons are designated between E and C?

a) One

b) Two

c) **Three**

d) More than three

e) No one

22. What is the position of G with respect to A?

a) Five persons senior

b) Three persons junior

c) Three persons senior

d) **Five persons junior**

e) Two persons senior

23. As many persons designated between F and ___ as junior to ___ respectively

a) E, G

b) **C, B**

c) A, E

d) B, A

e) G, C

24. Four of the following five are alike in a certain way based on the given arrangement and thus form a group. Which one of the following does not belong to the group?

a) CD

b) BF

c) AE

d) DG

e) **GB**

Directions (20-24)

20. Answer: B

21. Answer: C

22. Answer: D

23. Answer: B

24. Answer: E(Two persons are designated between the given pair of persons, except in option E)

Final arrangement:

Designations	Persons

Chief technical officer (CTO)	C
Project head (PH)	A
Software project manager (SM),	F
System admin (SA)	D
LSP	E
SE	B
ST	G

Topic: Alphanumeric series

Sub Topic: Symbols, alphabet number mixed series

Direction (25-28): Study the following information carefully and answer the given questions.

5 $ 3 Q & 8 * 2 > % 4) 9 < * 7 # 6 + 1 N

25. Which of the following element is sixth to the right of the twelfth element from the right end of the given series?

a) 7

b) +

c) $

d) %

e) #

26. What is the sum of the eighth element from the left end and ninth element from the right end of the given series?

a) 18

b) 08

c) 11

d) 17

e) 4

27. How many such symbols are there in the given series each of which is immediately followed by an odd number and immediately preceded by an even number?

a) One

b) Two

c) Three

d) Four

e) None

28. The number of symbols to the right of 4 is the same as the number of symbols between ___ and ___.

a) 5 and 8

b) 2 and N

c) Q and 6

d) 9 and Q

e) $ and 1

Direction (25-28):

25) Answer: a

26) Answer: c

27) Answer: b

28) Answer: d

Topic: Miscellaneous

Sub Topic: Word based

29. Find the odd one out___.

a) ACD

b) TVW

c) QTX

d) JLM

e) VXY

Answer: c

Topic: SEATING

Sub Topic: SQUARE ARRANGEMENT

Sub Type: SQUARE ARRANGEMENT - SINGLE VARIABLE

Directions (30-34): Study the following information carefully and answer the given questions.

Eight persons - A, B, C, D, E, F, G and H are sitting around a square table in such a way that four of them are sitting at the corners and facing away from the centre while four of them are sitting in the middle of the sides of the table and facing towards the centre.

Two persons sit between B and A, who sits in the middle of the sides of the table. D sits immediate left of B. H is an immediate neighbour of D. Only three persons sit between H and E. F sits immediate right of E. G and E are not immediate neighbours.

30. How many persons sit between C and G, when counted from the left of G?

a) Two

b) One

c) Three

d) Four

e) No one

31. What is the position of E with respect to B?

a) Third to the right

b) Second to the left

c) Fourth to the right

d) Second to the right

e) Immediate left

32. Which of the following statement(s) is/are TRUE as per the given arrangement?

a) Two persons sit between E and A when counted from the left of A

b) Both H and G are immediate neighbours

c) E doesn't sit at the corner of the table

d) E sits immediate left of C

e) All the statements are true

33. Who among the following person sits third to the right of H?

a) G

b) A

c) C

d) E

e) D

34. Which of the following pair of persons sit immediate right of each other?

a) CD

b) HA

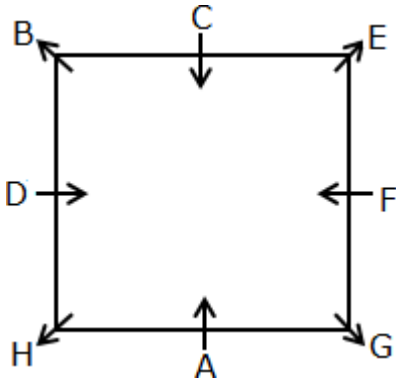c) FD

d) BF

e) AG

Directions (30-34):

30) Answer: a

31) Answer: d

32) Answer: d

33) Answer: c

34) Answer: e

Direction (35-39): Study the following information carefully and answer the given questions

RAW   TEN   NUT   FOG

     SIX

35. How many letters are there in the English alphabetical series between the second letter of the second word from the left end and second letter of the first word from the right end?

a) Five

b) Seven

c) **Three**

d) Eight

e) Four

36. If all the words are arranged in alphabetical order from the left end, then which of the following word is second from the right end?

a) RAW

b) TEN

c) NUT

d) FOG

e) **SIX**

37. If all the letters in each word are changed to the immediate next letter as per alphabetical series, then how many words thus formed will have no vowel?

a) One

b) Two

c) **Three**

d) More than three

e) None

38. If the fi rst letter of each word from the left end is replaced by L, then how many meaningful words can be formed?

a) One

b) **Two**

c) Three

d) More than three

e) None

39. If all the letters are arranged in reverse alphabetical order within the words from the left end, then how many words thus formed will have the second letter as a vowel?

a) One

b) Two

c) Three

d) More than three

e) **None**

Explanation:

35. Answer: C

36. Answer: E

37. Answer: C

38. Answer: B

39. Answer: E

Topic: Miscellaneous

Sub Topic: Word based

40. If i t is possible to make a meaningful word by using the second, fourth, fi fth and ninth letters from the left end of the word "RESPONDER" using each letter only once, then what is the last letter of the word thus formed? If no such word is formed, mark the answer as "Y". If more than one word can be formed mark the answer as "X".

a) P

b) X

c) Y

d) E

e) O

Answer: b

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