



**CHANDIGARH UNIVERSITY**  
**“DEPARTMENT OF CAREER DEVELOPMENT”**  
**Logical Ability**

1. Pick the odd man out.

A] DFH

B] AEK

C] TWZ

D] MOQ

**Ans- B**

**Solution-** A] DFH, C] TWZ, D] MOQ In these options the difference between the second and first letter and the difference between third and second letter is same but in option B] difference is not same

2. Find the next number in the series

2, 4, 12, 48, 240, .....

A] 960

B] 1080

C] 1440

D] 1920

**Ans- C**

**Solution-**  $2*2, 4*3, 12*4, 48*5, 240*6$

3. Select the right option from the given alternatives.

64 : 56 :: 81 :

A] 18

B] 73

C] 72

D] 42

**Ans- B**

**Solution-** As difference between 64 and 56 is 8, Similarly  $81-8=73$ .

4. Find the next number in the series

1, 3, 7, 15, 31, .....

A] 38

B] 49

C] 63

D] 42

**Ans- C**

**Solution-** 1, 3, 7, 15, 31 by adding +2,+4,+8,+16,+32 in each term.

5. A puppy was trying to find its mother. It was facing East and walked 10 m. if turned south then and walked another 10 m. then it started walking towards North it walked 20 m and turned West. After that, it walked 10 m and moved 2 m South. In which direction and how far is it from the original position?

A] 60 m North-East

B] 10 m North-East

C] 8 m North

D] 25 m North

**Ans- C**

Solution- Firstly, puppy walked 10m towards East, then turned 10m towards south, then it started walking towards North 20 m and turned West walked 10 m and moved 2 m South. Therefore it is 8m towards North.

6. A tourist drives 10km towards east and turns right and drives for 3 km. He then drives another 3 km towards West (turning to his right). He then turns to his left and walks another 2 km. Afterwards, he turns to his right and travels 7 km. How far and in which direction will be from his starting point?
- A] 10 km east                      B] 9 km North                      C] 8 km West                      D] 5 Km South

Ans- D

Solution- Tourist drives 10km towards east, turns south and drives for 3 km. He then drives another 3 km towards West, He then turns to his left i.e walks towards south for another 2 km. Afterwards, he turns to his right and travels 7 km towards West. Therefore he is 5 Km South.

7. From the given anagrams select the odd one out.
- A] ESOR                      B] PULIT                      C] LUFTE                      D] STUOL

Ans- C

Solution- Except LUFTE all are flowers name-ROSE, TULIP, LOTUS.

8. Select the right option from the given alternatives.
- D4P:H4L:P5R:
- A] V4N                      B] V5S                      C] U5M                      D] R4N

Ans- C

Solution- D4P add 4 in D and subtract 4 from P so that we get H4L. Similarly add 5 in P and subtract 5 from R we will get U5M.

9. "A" driven 10 km towards East and turns to the right hand driven 3 km. Then he drives towards West (turning at his right) 3 km. He then turns to his left and drives 2 km. finally he turns to his right and travels 7 km. how far is he from his starting point and in which direction would he be?
- A] 10 km, East                      B] 9 Km, North                      C] 8 km, West                      D] 5 km, South  
E] 3 km, south

Ans- D

Solution- A driven 10 km towards East and turns to south driven 3 km. Then he drives towards West 3 km. He then turns to south and drives 2 km. finally he turns to west and travels 7 km and reaches 5km towards South.

10. Passage

- (i) There are two lecturers, two singers, one doctor and one engineer in a group of six people- A, B, C, D, E & F.
- (ii) The doctor C is married to A who is a lecturer.
- (iii) The engineer is married to B who is of the same profession as that of E.
- (iv) C, A, B & F are married couples and nobody in the group has the same profession.
- (v) E is F's brother.

Which of the following is a pair of lecturers?

- A] A & B
- B] A & F
- C] A & D
- D] A & E

Ans- C

Solution- C (doctor) is married to A (lecturer), F (Engineer) is married to B (Singer).  
E(singer) is brother of F and D is lecturer.

11. Given signs signify something and on the basis, assume the given statements to be true and find which of the two conclusions I & II is/are definitely true.

A+B means A is less than B

A-B means A is greater than B

A= B means A is greater than equal to B

A\*B means A is equal to B

A/B means A is not equal to B

**Statements**

P+Q, Q=R, R-S

**Conclusions**

I. Q-S

II. P\*Q

A] Only conclusion I is true.

B] Only conclusion II is true.

C] Neither conclusion I nor II is true

D] Both conclusion I & II are true

Ans- A

Solution-  $P < Q = R > S$   
Therefore,  $Q > S$ .

12. Choose the answer option that arranges the given set of words in the 'most' meaningful order. The words when put in order should make logical sense according to size, quality, quantity, occurrence of events, value, appearance, nature, process etc.

1. Kaziranga sanctuary

2. Asia

3. Rhinoceros

4. India

5. Assam

A] 2, 4, 1, 3, 5

B] 2, 4, 5, 3, 1

C] 2, 4, 3, 1, 5

D] 2, 4, 5, 1, 3

Ans- D

Solution- 2. Asia 4. India 5. Assam 1. Kaziranga sanctuary 3. Rhinoceros

13. Select the right option from the given alternatives

QDXM : SFYN :: UIOZ : ?

A] PAQM

B] LPWA

C] QNLA

D] WKPA

Ans- D

Solution- Add +2 in first two letters we get WK and add +1 in last two letters we will get PA.

14. Find the next number in the series

2, 3, 6, 18, 108

A] 54

B] 1002

C] 216

D] 1944

Ans- D

Solution- Starting from the second digit multiply each digit with the previous digit.

$3 \times 2, 6 \times 3, 18 \times 6, 108 \times 18$  we will get 1944.

15. From the given anagrams select the odd one out.

A] BDF

B] MQT

C] HKN

D] PTX

Ans- B

Solution- Difference between 1<sup>st</sup> and 2<sup>nd</sup> letter and between 2<sup>nd</sup> and 3<sup>rd</sup> letter is same except MQT where difference between first two letters is 4 and between last two letters is 3.

16. If NORMAL is coded as LAMRON, then SYSTEM is coded as:

A] TXTUDN

B] METSYS

C] TZTUFN

D] METSSY

Ans- B

Solution- By reversing the word we can write SYSTEM as METSYS.

17. If NATION is coded as 1412091514, then which of the following is a possible code for REMOTE?

A] 1851315205

B] 186351205

C] 186121405

D] 185315205

Ans- A

Solution- Rank of each alphabet is written in corresponding code. For eg: Rank of N is 14, A-1, T-20, I-9. Similarly, REMOTE can be coded as 1851315205

18. A man round 4 km towards north, then 20 km towards east. Then he runs 4 km towards south. How far is he from his initial position?

A] 4 km                      B] 20 km                      C] 24 km                      D] 16 km

Ans- B

Solution- As man moves 4 km towards north, then 20 km towards east, Then he runs 4 km towards south. Therefore he is 20 km far from the initial position.

19. In the alphabetic series given below, some alphabets are missing. The options comprises of the alphabets that complete the series in a logical manner.

\_cb\_ca\_bacb\_ca\_bac\_d

A] bdddbb                      B] addbbb                      C] addddb                      D] bbbddd

Ans- C

Solution- There are groups of 4 letters which include a,b,c and d in random order which are repeating such as acbdcadb these two groups are again repeating acbdcadbacbd.

20. From the given anagrams select the odd one out.

A] CABBAGES                      B] Carrots                      C] Dates                      D] Cherries

Ans- C

Solution- Rest all options are starting from C except Dates.

21. Given signs signify something and on the basis, assume the given statements to be true and find which of the two conclusions I & II is/are definitely true.

A+B means A is greater than equal to B

A-B means A is equal to B

A \$ means A is less than B

A\*B means A is equal to B

A/B means A is greater than B

Statements:

D\*G, G-H, H/J

Conclusions:

I. D ≠ H

II. G/J

A] Only conclusion I is true.

B] Only conclusion II is true.

C] Both conclusion I & II are true

D] None of these are true.

Ans- B

Solution-  $D=G=H>J$

Therefore, only option II,  $G>J$  is correct.

22. Passage

$R*S$  = R is the mother of S

$R-S$  = R is the father of S

$R \% S$  = R is the daughter of S

$R > S$  = R is the son of S

Who is the brother in  $A*B>C-D$

A] B only

B] C only

C] D only

D] Both B and D

E] Data insufficient.

Ans- E

Solution- A(mother) and C(father) is married couple and has two children B(male) and D. So, we can say B is the brother but there is no information given regarding the gender of D.

Therefore, we can't say brother is B only.

Instruction for (23-26) Passage

(i) There are five friends.

(ii) They are standing in a row facing south.

(iii) Sarala is to the immediate right of Swati.

(iv) Sanju is standing between Sita & Megha.

(v) Megha is standing between Sarala Sanju.

23. Who is at the extreme right end?

A] Sita

B] Swati

C] Megha

D] Data inadequate

24. Who is to the left of Megha?

A] Sanju

B] Sarala

C] Swati

D] None of the above

25. Who is in the middle?

A] Sarala

B] Sita

C] Megha

D] Sanju

26. Who is sitting fourth from the right end?

A] Sanju

B] Sita

C] Sarala

D] Swati

Ans- B, B, C, A

Solution (23-26)- All are facing south so they are sitting in order.

(left end) Sita Sanju Megha Sarala Swati (right end)

27. Given signs signify something and on that basis, assume the given statements to be true and find which of the two conclusions I and II is/are definitely true.

" $\times$ " denotes "greater than"

" $+$ " denotes "equal to"

"-" denotes "not equal than"  
 "/" denotes "smaller than"  
 "%" denotes "not less than"  
 "\*" denotes "not greater than"

A\*B implies

- A] A X B                      B] A/B                      C] A-B                      D] None of these

Ans- D

Solution-  $A \leq B$ , Therefore none is true.

28. From a point Shalu starts walking towards North and after walking 20 meters. She turns to her right and walks 10 meter, then she turn to right again and walks 20m, then she turns to her left and walks 10 m and finally turns to her left and walks 20 m. in which direction is she with reference to the starting point?

- A] North                      B] South                      C] North-East                      D] East  
 D] None of these

Ans- C

Solution- Shalu walks towards North 20 meters. She turns to East and walks 10 meter, then turn towards South 20m, then she turns to East and walks 10 m and finally turns to her left and walks 20 m. Therefore she is in North-East direction.

29. From the given choices select odd one out.

- A] PRU                      B] LNQ                      C] DFI                      D] BEL

Ans- D

Solution- Gap between first two letters is 1 and the gap between last two letters is 2 except BEL.

30. Choose the answer option that arranges the given set of words in the 'most' meaningful order. The words when put in order should make logical sense according to size, quality, quantity, occurrence of events, value, appearance, nature, process etc.

1. Cut                      2. Put on                      3. Mark                      4. Measure                      5. Stich  
 A] 4,3,1,5,2                      B] 3,1,5,4,2                      C] 2,4,3,1,5                      4] 1,3,2,4,5

Ans- A

Solution- 4. Measure 3. Mark 1. Cut      5. Stich 2. Put on

31. The question consists of a problem question followed by two statements I and II. Find out if the information given in the statement(s) is sufficient in finding the solution to the problem.  
 Problem Question: Is Radha Manju's sister?

Statements:

(I) Rahul has two daughters of which Manju is one.

(II) Radha's mother is married to Rahul.

A] Statement I alone is sufficient

B] Statement II alone is sufficient

C] Both statements put together are sufficient

D] Both the statements even put together are not sufficient

E] Either of the statement is sufficient.

Ans- C

Solution- Both statements put together are sufficient i.e. Rahul has two daughters of which Manju is one. Radha's mother is married to Rahul. So, we can say Radha and Manju are sisters.

32. The question consists of a problem question followed by two statements I and II. Find out if the information given in the statement(s) is sufficient in finding the solution to the problem.

Problem Question:

What is the cost price of a piece of cloth?

Statements:

(i) Selling price is given.

(ii) Loss percent is given

A] Statement I alone is sufficient

B] Statement II alone is sufficient

C] Both statements put together are sufficient

D] Both the statements even put together are not sufficient

E] Either of the statement is sufficient.

Ans- C

Solution- If Sp and Loss % is given we can find CP as:

$$CP = (100 / (100 - L\%)) * SP$$

Instruction for (Q 33-35) The following information are used for given the answers:

- 1) Five men P, Q, R, S and T read newspaper
- 2) The one who reads first gives it to R.
- 3) The one who reads last taken it from P.
- 4) T was not the first or last to read.
- 5) There were two readers between Q and P.

33. Who read the newspaper before S?

A] Q

B] R

C] T

D] P

34. Who read the newspaper last?

A] Q

B] S

C] Cannot be determined

D] None of the above



35. Who read the newspaper first?

A] S

C] Data inadequate

B] Q

D] None of the above

Ans- D, B, B

Solution (33-35)- The given sequence is: Q , R , T, P , S

P read the newspaper before S

The given sequence is: Q , R , T, P , S

S read the newspaper last.

The given sequence is: Q , R , T, P , S

Q read the newspaper first.

36. If north is called north-east , north –east is called east , east is called south –east . And so on . What will south –east be called?

A] West

C] South

B] North

D] East

Ans- C

Solution- The directions are moving in clock-wise and with angle of 45 degree .  
So, South –East becomes South.

37. Using the following information:

1.Go to a website, click on “buy” for a specific product.

2.Select the paying mode as credit card.

3.Click on “pay”

4.Enter username and the credit card code.

A] 1324

B] 1243

C] 1234

D] 1423

Ans-A

Solution- The given sequence is :1324

38. What is Mohan’s rank in the class?

Statements:

1) There are thirty students in the class.

2) There are six girls who have scored less than Mohan

A] Statement 1 alone is sufficient in answering the question

B] Statement 2 alone is sufficient in answering question

C] Both statements put together are sufficient in answering question

D] Both statements even put together are not sufficient in answering the question

E] Either of the statement is sufficient in answering the question

Ans- D

Solution- Both statements even put together are not sufficient in answering the question, because we do not know about how many girls and boys are in class.

39. How many people cast their votes in the MCD elections in metropolitan city-Delhi?

Statements:

1) The population of India is 2 billion and population of each metropolitan is 15% of the Total.

2) 33% of the total population of Delhi cast their votes in the MCD elections.

A] Statement 1 alone is sufficient in answering the question

B] Statement 2 alone is sufficient in answering question

C] Both statements put together are sufficient in answering question

D] Both statements even put together are not sufficient in answering the question

E] Either of the statement is sufficient in answering the question

Ans- C

Solution- Both statements put together are sufficient in answering question, total population is given, so it is easily found 15%.

40. Pick the odd man out

A] KML

B] PRQ

C] NPQ

D] TVU

Ans- A

Solution- The pattern followed in this question is (-2, -1) b/w letters of the word, option A does not follow.

41. AIE: FNJ:: KSO: ?

A] PWU

B] PXT

C] LYT

D] QXU

Ans- B

Solution- The pattern followed is: +4 gap b/w the corresponding letter.

42. Choose the answer option that arranges the given set of words in the most meaningful order.

1. Community

2. Locality

3. family

4. Country

5. Person

A] 4,1,2,3,5

B] 4,2,1,3,5

C] 5,3,2,1,4

D] 5,3,4,2,1

Ans- C

Solution- The given sequence is : 5,3,2,1,4 (person, family , locality, community, country)

43. KPQR: LRTV:: DGHY : ?

A] EIKC

B] ETKC

C] EJKD

D] EHKD

Ans- A

Solution- KPQR : LRTV :: DGHY : **EIKC** ( the sequence +1,+2,+3,+4 b/w the corresponding letter)

44. 12, 8, 14, 6, 16, ....

A] 18

B] 32

C] 5

D] 4

Ans- D

Solution- The corresponding letter is obtained by subtracting -2 from previous to previous letter.

45. In certain code language if the word "FORMAT" is coded as IOUMDT, then how will The word BUSINESS be coded?

A] FUEIDEQS

B] EUVIEQVS

C] DUEKIDQS

D] EUVEQIV

Ans- B

Solution- Even positions should be same and odd positions +3 in each letter.

46. The Following Information are:

A#B means A is equal to B

A/B means A is half of B

A%B means A is less than B

A>B means A is 20 percent of B

Statements: S>T, T#U and U/V

Conclusions : 1) S % V

2) S>V

A] Only 1 is true

B] only 2 is true

C] Both are correct

D] none of these is true

Ans- A

Solution- since V> S hence Only 1 is true

47. D4T: H4P :: L5R : ?

A] P4N

B] Q5M

C] P5N

D] Q4N

Ans- B

Solution- The numerical value should be same in corresponding and first alphabet make +4 difference and second alphabet make -4 difference.

48. Skeptics argue that flying saucers and UFOs that are believed to be guided by Extraterrestrial being or aliens are creations of human imagination. They have demonstrated that a number of photographs that apparently show flying saucers are either phony or are misinterpreted images of earthy or natural object such as aero planes or meteors. However, there are scientists who have also contributed plenty of evidence and asserted that aliens do exist.
- Which one of the statement inferred from the passage
- A] Lack of credibility of photographic evidence should be taken as proof of non existence Of aliens
  - B] While the existence of flying saucers and UFOs has been denied , the possibility of aliens Beings is still a reality
  - C] UFOs and flying saucers, if a reality ,are of the same shape and size as aeroplanes
  - D] The fact that a number of photographs of flying saucers are fake cannot disprove of aliens And UFOs.

Ans- D

Solution- The most inferred statement according to passage:  
The fact that a number of photographs of flying saucers are fake cannot disprove of aliens And UFOs

49. Whether we look at intrinsic value of our literature ,or at the particular situation of this country. We shall see the strongest reason to think that of all foreign languages, the English language is that which would be most useful to our native subject.
- Which one of the statement inferred from the passage
- A] The speaker is addressing an issue related to a colonial empire
  - B] the speaker has good of the nation at heart
  - C] The speaker is a die-hard colonist
  - D] None of these

Ans- D

Solution- No statement is inferred to the passage.

Instructions ( 50-53) Answer the questions based on given information:

1. Tom, Joy and John are honest.
2. Tom, Jack and Michal are ambitious.

4.Joy, Jack and John are intelligent.

4.Joy, Jack and John are intelligent.

- Ans- D, A, A, A

Tom is neither hardworking nor intelligent

### Joy having three qualities (Honest, Hardworking, Intelligent)

Michal is neither honest nor intelligent but is ambitious

Michal and joy both are hardworking.

- Ans- A

Solution- Only conclusion 1 is true as  $Q > S$

55. Following are criteria for re –allotment of floors by a housing society to its

Residents . The residents must

1)Have stayed for atleast 5 years in the society out of which atleast 3 years should have  
Been spent on floors which end with 0 or 5.

2)Not have more than 5 members in the family.

3)Have given an undertaking to stay there for another 5 years.

4)Have served as a maintenance associate for more than 1 year.

a)In case a resident satisfies all above criteria except(2) and has stayed in the society for  
more than 5 years,he/she should be referred to the Society –President and be given the  
floor

of his /her choice.

b) In case a resident satisfies all above criteria except (4) he/she is to be referred to the  
Welfare -Associate and be given either 1st and 3rd floor.

Should the given resident be provided with accommodation?(the case is presented as on  
31st july,2012)

Raj has been staying in the society for 6 years and has spent 5 years on 10th floor. He has  
6 members in his family . He is wiling to give an undertaking to stay for another  
5 years. He has also served as a Maintenance Associate for 1.5 years.

A] Resident would not be given any floor

B] Resident would be given a floor

C] Resident would be referred to the Society –President

D] Resident would be referred to the Welfare-Associate

E) Data Insufficient

56. Raghav has been staying in the society for 7 years and he has spent 3 years on 5th  
Floor . He has 3 members in his family and has also given an undertaking to stay for  
Another 5 years. He has served as Maintenance Associate for 5 months.

A] Resident would not be given any floor

B] Resident would be given a floor

C] Resident would be given a floor of his choice

D] Resident would be given either 1st or 3rd floor

E)] Data insufficient

Ans- E, D

Solution- (20-21)

Because we don't have complete information regarding first option.

As all the conditions are being satisfied except fourth condition. So,he/she is to be referred  
to the Welfare -Associate and be given either 1st or 3rd floor.

57. Direction- The question consists of a problem question followed by two statements I and II.  
Find out if the information given in the statements is sufficient in finding the solution to the  
problem.

Problem Question: What is the amount of cement exported from China?

Statements:

I) China's export to America is 65,000 tones and this is 8% of the total cement exports.

II) China's total export tonnage of cement is 15% of the total of 1 million tones.

A] Statement I alone is sufficient in answering the problem question

B] Statement II alone is sufficient in answering the problem question

C] Both statements put together are sufficient in answering the problem question

D] Both statements even put together are not sufficient in answering the problem question

E] Either of the statement is sufficient in answering the problem question

Ans- E

Solution- From I statement, we can find the total export from China as it is given that 65000 is 8% of total exports. From II statement, China's total export is 15% of 1 million tones. So, either of the statement alone is sufficient to answer the question.

58. Based on the given passage find out which of the statement can be inferred from the passage.

Deepa Mehta's Fire was under fire from the country's self-appointed moral police. Their contention was that the film was a violation of the Indian cultural mores and couldn't be allowed to influence the Indian psyche. According to them, such films ruin the moral fabric of the nation, which must be protected and defended against such intrusions at all cost, even at the cost of cultural dictatorship.

A] The assumption underlying the moral police's critique of Fire was that the Indian audience is vulnerable to all types of influence

B] The assumption underlying the moral police's critique of Fire was that the Indian audience is impressionable and must be protected against 'immoral' influence

C] The moral police thinks it has the sole authority to pass judgment on films screened in India

D] None of these

Ans- B

Direction (59-61): There are two lecturers, two singers, one doctor and one engineer in a group of six people – A, B, C, D, E and F.

The doctor C is married to A who is a lecturer.

The engineer is married to B who is of the same profession as that of E.

C, A, B, and F are married couples and nobody in the group has the same profession.

E is F's brother.

59. Which of the following is a pair of singers?

A] A and D

B] B and E

C] E and F

D] A and F

60. How is E related to B?

A] Brother

B] Uncle

C] Father

D] None of these

61. Which of the following pair is a couple?

A] A and B

B] B and F

C] A and F

D] B and C

Ans- B, D, B

Solution- (59-61) A and C are married to each other. F and B are married to each other. The profession of C is Doctor, A is Lecturer, F is Engineer, B is Singer, E is Singer and D is lecturer. E is F's brother.

B and E

A and C are married to each other. F and B are married to each other. The profession of C is Doctor, A is Lecturer, F is Engineer, B is Singer, E is Singer and D is lecturer. E is F's brother. E is brother-in-law of B

A and C are married to each other. F and B are married to each other. The profession of C is Doctor, A is Lecturer, F is Engineer, B is Singer, E is Singer and D is lecturer. E is F's brother. B and F

Direction (62-63) There are 2 questions based on the same data. Answer the questions based on the given information.

A marketing company requires a qualified engineer with a management degree. The candidate must:

- I. Be a graduate with at least 55% marks.
- II. Hold on an MBA degree with a minimum of 50% marks.
- III. Have secured at least 55% marks in Sr. Secondary Examination. This condition will be relaxed up to 5% if the candidate has two year experience of working with a reputed company.
- IV. Should have at least one year's experience as an engineer.
- V. If he/she fulfills all other conditions except (IV) but has an additional diploma in computers or I.T his/her case is to be referred to the General Manager.
- VI. If he/she fulfills all other conditions but has marketing degree instead of the condition given at (III) his/her case is to be referred to the Managing Director.
- VII. Not be of age greater than 30 years.

Can the given candidate be selected?

62. Amir aged 26 has done B.tech in I.T. in first class. He has done MBA from IGNOU in first class. He is currently working with Beta industries as Technical Officer where he has held this post for the last three years. He scored 56% in the Sr. Secondary examination.
- A] The candidate is to be selected
  - B] The candidate is not to be selected
  - C] Insufficient data
  - D] The candidate is to be referred to the General Manager
63. Hari Rai is a 27 years old B.tech graduate from I.P.University. He has also done M.B.A from IIM Indore. He secured 65% marks in his Sr. Secondary Examination. He has been working with a reputed engineering company, Chennai for the last 3 years.
- A] The candidate is to be selected
  - B] The candidate is not to be selected
  - C] Insufficient data
  - D] The candidate is to be referred to the General Manager

Ans- A, C

Solution (62-63) - The candidate is to be selected as he fulfills all the conditions.

As his percentage in Graduation and post graduation is not given



64. Direction- The question consists of a problem question followed by two statements I and II. Find out if the information given in the statements is sufficient in finding the solution to the problem.

Problem Question: A piece of wire 9 meters long is cut into three smaller pieces. How long is the longest of the three pieces?

Statements:

I) Two pieces are of the same length

II) One piece is 4.7 meters long

A) Statement I alone is sufficient in answering the problem question

B) Statement II alone is sufficient in answering the problem question

C) Both statements put together are sufficient in answering the problem question

D) Both statements even put together are not sufficient in answering the problem question

E) Either of the statement is sufficient in answering the problem question

Ans- C

Solution- From I statement, it is clear that two pieces have same length. From I and II statements together, it is clear that longest piece is 4.7 metres long.

65. Direction- The question consists of a problem question followed by two statements I and II. Find out if the information given in the statements is sufficient in finding the solution to the problem.

Problem Question: Was Manisha's book published?

Statements:

I) If Manisha's Book was published she would receive at least \$1000 as royalty during 1978

II) Manisha's income for 1978 was over \$1000

A) Statement I alone is sufficient in answering the problem question

B) Statement II alone is sufficient in answering the problem question

C) Both statements put together are sufficient in answering the problem question

D) Both statements even put together are not sufficient in answering the problem question

E) Either of the statement is sufficient in answering the problem question

Ans- D

Solution- From both statements together, we cannot find out whether Manisha's book was published or not.

66. Eight persons A through H are standing facing North in such a way that: B is 30m apart from C towards West. C is 30m South with respect to A. A is 40m towards West with respect to E. D is 50m South of E. F is 15m North of G. H is 20m apart from G towards East. F is 40m towards West with respect to D. In which direction is C standing with respect to G?

A) North

B) North-East

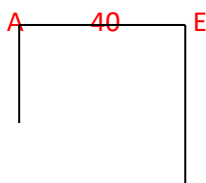
C) North-West

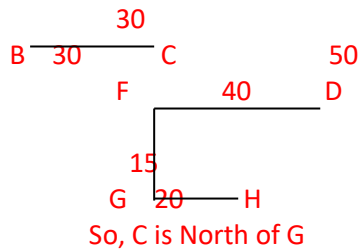
D) South

E) South-East

Ans- A

Solution-





67. Based on the given passage find out which of the statement can be inferred from the passage.

The aspect where the film “Bombay” loses out is where every commercial film congenitally goes awry—it was too simplistic to address serious issues and failed to translate real life to reel.

- A] The film was successful in spite of its shortcomings
- B] The film’s director aimed at recreating real life on the silver screen
- C] The film was too simplistic for the audience’s taste
- D] None of these

Ans- C

Direction (33-34) There are 2 questions based on the same data. Answer the questions based on the given information.

The following are the conditions for selecting a “Management Trainee” for a reputed public sector company. The candidate must:

- a) be a post-graduate in commerce with 60% marks or a C.A.
- b) Not be a more than 25 years old and less than 20 years old as on 1.12.92.
- c) Have fluency in English and Hindi.
- d) Be in a position to pay Rs. 10,000/- as deposit to the company.
- e) Give an undertaking to work for at least 5 years for the company.

However,

- (i) if a person satisfies all the conditions except (a) above, he should be referred to the Managing Director of the company.
- (ii) If a person satisfies all the conditions except (d) and/or (e) above, he should be referred to the Chairman of the company.

Should the given candidate be selected?(The case is presented as on 1.12.2009)

68. 23 year old Suresh is a CA with fluency in Hindi and English. He can pay Rs.8000 as deposit and will give five years undertaking.

- A] Insufficient data
- B] Candidate should not be selected
- C] Candidate should be selected
- D] Candidate is to be referred to the Managing Director
- E] Candidate is to be referred to the Chairman

69. Rajan is a Post-Graduate in Commerce with 70% marks. He is fluent in Hindi and English. He can pay the required deposit and is ready to give 5 years’ undertaking. His date of birth is 01.11.1973.

- A] Insufficient data
- B] Candidate should not be selected
- C] Candidate should be selected
- D] Candidate is to be referred to the Managing Director

E] Candidate is to be referred to the Chairman

Ans- E, B

Solution (33-34) He satisfied all the conditions except (d). According to it, he was not able to deposit 10000/- to the company. So, his case is referred to Chairman

The candidate is not selected as his age is less than 20 years.

70. Choose the answer option that arranges the given set of words in the most meaningful order. The words when put in order should make logical sense according to size, quality, quantity, occurrence of events, value, appearance, nature, process etc.

a. Vegetables

b. Energy

c. Food

d. Cook

e. Eat

A] acdeb

B] adceb

C] dceab

D] dceba

Ans- B

Solution- When put in order, it forms the logical sense i.e first comes, vegetables, then Cook, then Food, then Eat and Then Energy.

71. Direction- The question consists of a problem question followed by two statements I and II. Find out if the information given in the statements is sufficient in finding the solution to the problem.

Problem Question: If the product of two numbers are given, find the numbers.

Statements:

I) Difference of the numbers is given

II) Sum of the numbers is given

A] Statement I alone is sufficient in answering the problem question

B] Statement II alone is sufficient in answering the problem question

C] Both statements put together are sufficient in answering the problem question

D] Both statements even put together are not sufficient in answering the problem question

E] Either of the statement is sufficient in answering the problem question

Ans- E

Solution- Either of the statement alone is sufficient to answer the question as two variable and 2 equations will become.

72. Direction- The question consists of a problem question followed by two statements I and II. Find out if the information given in the statements is sufficient in finding the solution to the problem.

Problem Question: How is Mr.Sharma related to Santosh?

Statements:

I) Santosh's mother has two daughters

II) Santosh's sister is the wife of Mr.Sharma's son

- A] Statement I alone is sufficient in answering the problem question
- B] Statement II alone is sufficient in answering the problem question
- C] Both statements put together are sufficient in answering the problem question
- D] Both statements even put together are not sufficient in answering the problem question
- E] Either of the statement is sufficient in answering the problem question

Ans- B

Solution- From II statement alone, we can find that Mr. Sharma is father-in-law of Santosh's sister.

73. If STUMP is coded as PQRJM, then PITCH is coded as.....
- A] MFQZE                      B] QJUDI                      C] MEQAE                      D] RKVEK

Ans- A

Solution- The pattern follows in the question is -3. So PITCH is coded as MFQZE.

74. Pick the odd man out.
- A] AFK                      B] TWB                      C] PUZ                      D] DIN

Ans- B

Solution- All options follows the pattern of +5 except Option B

75. Internet : Connectivity :: Cell phone : .....
- A] Ringtone                      B] Voicemail                      C] SMS                      D] Network

Ans- D

Solution- Cellphone is connected with network

76. 26 : 37 :: 45 : .....
- A] 46                      B] 67                      C] 57                      D] 56

Ans- D

Solution-  $26+11=37$ . So,  $45+11=56$

77. If MACHINE is coded as 19-7-9-14-15-20-11, how will you code DANGER?
- A] 10-7-20-13-11-24                      B] 11-7-20-16-11-24
- C] 13-7-20-9-11-25                      D] 13-7-20-10-11-25

Ans- A

Solution- A is coded as 7(1+6), B is coded as 8(2+6) and so on. So each letter is coded with +6 to its original code. So, DANGER is coded as 10-7-20-13-11-24.

78. Given signs signify something and on that basis, assume the given statement to be true.  
Answer the question basis the information provided.

'#' denotes "greater than"

'/' denotes "equal to"

'&' denotes "not equal to"

'+' denotes "lesser than"

'%' denotes "a little more than"

'\*' denotes "a little less than"

If  $AC \% BC$ , then

A]  $A/C$

B]  $B \# C$

C]  $C \# B$

D]  $B + A$

Ans- D

Solution- As C is common on both sides. So, it is same. And % means a little more than i.e. A is more than B. So, Option D means B is lesser than A.

79. If Mohan is the brother of Rohan's grandmother, how is Rohan related to Mohan?  
A] Brother-in-law                      B] Uncle                      C] Grandson                      D] Grandfather

Ans- C

Solution- As Mohan is brother of Rohan's Grandmother. So, Rohan is grandson of Mohan.

80. Renuka started walking from her house. She first walked for 3km towards West, then she turned towards North and moved 4km in that direction. How far Renuka is from her house?  
A] 3km South                      B] 3km North                      C] 5km West                      D] 5km North-West

Ans- C

Solution- Distance between her and her house =  $\sqrt{(3^2 + 4^2)} = 5$  and direction is North-West.

81. Find the next number in the series:

8, 8, 6, 2, .....

A] -4

B] -3

C] 3

D] 4

Ans- A

Solution- The sequence follows the pattern of 0, -2, -4, -6. So,  $2 - 6 = -4$

82. Raja has to go to Cafe Morrison which is 50 meters away from his house in the south-west direction. He walks 30 meters towards South and takes a right turn. How far and in which direction would Raja have to walk now to reach Cafe Morrison?  
A] 40 meters, East                      B] 40 meters, West  
C] 40 meters, South-East                      D] 40 meters, North-East

Ans- B

Solution- South west is act as hypotenuse and south is as perpendicular.

So, Raja has to walk the remaining distance in west direction.

$$\begin{aligned}\text{Remaining distance covered} &= \text{Square root of } (50^2 - 30^2) \\ &= \text{Square root of } (2500 - 900) \\ &= 40\end{aligned}$$

So, 40 meters, West is the required answer

83. Based on the given passage find out which of the statement can be inferred from the passage.

Efficiency is all right in its place, in the shop, the factory, the store. The trouble with efficiency is that it wants to rule our play as well as our work; it won't be content to reign in the shop, it follows us home

- A] Efficiency can become all pervading
- B] Efficiency does not always pay
- C] Efficiency can be more of a torture than blessing
- D] None of these

Ans- A

Solution- It is mentioned in the passage that efficiency rules play as well as works, follow us home. From this, it is obvious that efficiency can become all pervading.

Direction (14- 17) Passage:

Tom, Joy and John are honest

Tom, Jack and Michael are ambitious

Michael and Joy are hard-working

Joy, Jack and John are intelligent

84. Which one of the following persons is neither hardworking nor intelligent?  
A] Michael                      B] Jack                      C] John                      D] Tom
85. Which one of the following persons is neither honest nor intelligent but is ambitious?  
A] Jack                      B] Tom                      C] Michael                      D] John
86. Which one of the following persons is having any three qualities?  
A] John                      B] Jack                      C] Tom                      D] None of the above
87. Which one of the following persons is not hard-working?  
A] Joy                      B] Michael                      C] Can't be determined                      D] None of the above

Ans- D, C, D, D

Solution- (14-17) Tom is Honest and ambitious is given in the statement so according to question Tom is neither hardworking nor honest.

According to the passage Michael is a person who is neither honest nor intelligent but is ambitious.

According to the statement Joy is the person having three qualities but Joy is not in option so none of these is the answer.

According to statement Joy & Michael are hardworking, but in option no other name is given so none of the above.

Directions (18-19) Following are the conditions to appoint a Distributor for petroleum gas throughout

Delhi :

The applicant should

- (1) be an Indian by nationality.
- (2) be in the age group of 21-50 years on 5th September, 1997.
- (3) be minimum Matriculate or recognised equivalent.
- (4) be a resident of Delhi for not less than 5 years immediately preceding the date of application.
- (5) have family income of not more than Rs. 50,000 annually.
- (6) not have any dealership in any oil company.
- (7) have no close relatives as a dealer/distributor of any oil company.

However,

(8) restrictions relating to annual income, would not be applicable to persons working in corporations, owned or controlled by State government, but the case shall be referred to the Managing Director.

(9) for unemployed graduates, conditions at (6) and (7) may be waived. -

(10) if a person belongs to SC/ST but is not a resident of Delhi, the case may be referred to the Chairman.

Should the given applicant be selected? (The case is presented as on 1.2.2009)

88. Bahadur Singh working in the State Corporation is an Indian by nationality and is 23 years of age. He is a graduate and his family income is Rs. 60,000 per annum. He has been in Delhi for 7 years. He does not himself nor has any of his relatives working as distributor or dealer in any oil company.
- A] Applicant should be selected                      B] Applicant should not be selected  
C] Insufficient data                                      D] The case should be referred to Managing Director  
E] The case should be referred to Chairman.
89. Cheena, an Indian resident of Mumbai, is a matriculate with a family income of Rs. 20,000 per annum. His date of birth is 15.3.76. He does not have any dealership in any oil company nor has any close relative as dealer or distributor. He is an SC candidate.
- A] Applicant should be selected                      B] Applicant should not be selected  
C] Insufficient data                                      D] The case should be referred to Managing Director  
E] The case should be referred to Chairman.

Ans- A, E

Solution (18-19)- Application should be selected because he satisfy all the given condition to get the dealership.

The case should be referred to Chairman due to last point.

90. Choose the answer option that arranges the given set of words in the 'most' meaningful order. The words when put in order should make logical sense according to size, quality, quantity, occurrence of events, value, appearance, nature, process etc.
- |                     |                     |                     |                     |
|---------------------|---------------------|---------------------|---------------------|
| 1. Probation        | 2. Interview        | 3. Selection        | 4. Appointment      |
| letter              | 5. Advertisement    | 6. Application      |                     |
| A] 5, 6, 2, 3, 4, 1 | B] 5, 6, 3, 2, 4, 1 | C] 5, 6, 4, 2, 3, 1 | D] 6, 5, 4, 3, 2, 1 |

Ans- A

**Solution-** This is the process for getting a job.

Advertisement, Application, interview, Selection, Appointment letter, probation

91. The question consists of a problem question followed by two statements I and II. Find out if the information given in the statement(s) is sufficient in finding the solution to the problem.

**Problem Question:**

Each floor of a three storey building is occupied and a total of 15 people live in the building. How many people live on the second floor?

**Statements:**

- I) The number of people living on the ground floor is an odd number.  
II) The number of people living on the first floor is twice the number living on the second floor.  
A) Any one statement alone is sufficient in answering the problem question, but the other statement alone cannot answer the problem question.  
B) Either of the statements taken individually is sufficient in answering the problem question.  
C) Both the statements put together are sufficient in answering the problem question.  
D) Both the statements even put together are not sufficient in answering the problem question.

**Ans- D**

**Solution-** By combining both the statements we cannot calculate the number of people on each floor.

92. The question consists of a problem question followed by two statements I and II. Find out if the information given in the statements is sufficient solution to the problem.

**Problem Question:**

x, y, z are three distinct integers. is y the greatest of three?

**Statements:**

1. x is less than at least one of the two integers y and z.  
2. z is less than at least one of the two integers x and y.  
A) Statement (1) ALONE is sufficient, but statement (2) alone is not sufficient to answer the question asked.  
B) Statement (2) ALONE is sufficient, but statement (1) alone is not sufficient to answer the question asked.  
C) BOTH statements (1) and (2) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient to answer the question asked.  
D) EACH statement ALONE is sufficient to answer the question asked.  
E) Statements (1) and (2) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

**Ans- C**

**Solution-** By combining both the statement we get that x and z is smaller than y. so y is greatest.

93. Find the next number in the series.

3, 7, 13, 21,...

- A) 36                      B) 33                      C) 41                      D) 31



Ans- D

Solution- The pattern follow is +4, +6, +8 and so on  
So  $21+10 = 31$

94. From the given choices select the odd one out.

A] BDF

B] MQT

C] HKN

D] PTX

Ans- B

Solution- The difference between the number of alphabets between the first two alphabet and last two alphabet is not same.

95. If JUDGE is coded as UJDEG, then ORDER is coded as

A] RODRE

B] REDRO

C] Roder

D] REDOR

Ans- A

Solution- The pattern follow is that the first two letter position is interchanged and last two letter is interchanged.

96. From the given choices select the odd one out.

A] HIKJ

B] KLMN

C] STVU

D] RSTU

Ans- D

Solution- The pattern follow is that the 3<sup>rd</sup> alphabet is next to 4<sup>th</sup> alphabet but option RSTU doesn't follow the pattern.

97. 5, 25, 61, 113, .....

A] 181

B] 121

C] 212

D] 241

Ans- A

Solution- The pattern follow is successive difference of the difference of the numbers.  
i.e. in 5, 25, 61, 113 the difference is 20, 36, 52 and so on between two continues digit.  
in 20, 32, 52 the difference is 16, 16, 16 and so on.  
So the new number =  $112+(52+16)= 181$

98. A child while coming home from his school first goes 4 kms towards south-east, then 8 kms toward west. He then goes 4 kms towards north-west. In which direction is he from his school?

A] East

B] North

C] South east

D] West

Ans- D

Solution- Firstly the child moves to south east than west that means he turns right direction and then he walks north west that means he is in right direction from the starting point so he have to move west direction.

99. Shivani pointed towards a photograph and said, “ the man in the photograph is the husband of the daughter of the father of the brother of my son”.How is the man in the photograph related to shivani?

A] Grandson in law      B] Son in law      C] Brother      D] Nephew

Ans- B

Solution- The daughter of the father of the brother of my son states that the shivani have a daughter who is married to the person in the photograph.

100. In a certain code, SKILLFUL is written as LTMJGMMV. How is STATED written in that code?

A] TUCUFD      B] UTUCEF      C] UTUBEF      D] TUBUFE

Ans- C

Solution- The pattern follow is that the pair of 2 word interchanging them and +1 in each letter. (SK and LT BY CROSS RELATION and +1)

So code of STATED is UTUBEF

101. The given signify something and on that basis, assume the given statements to be true and find which of the two conclusions I and II are definitely true.

A+B means A is equal to B

A-B means A is not equal to B

A@B means A is greater than B

A\*B means A is less than B

A/B means A is greater than equal to B

**Statements:**

D/G, G+F, F@E

**Conclusions:**

I) D+F

II) E@G

A] Only I is true.

B] Only II is true.

C] Both are correct

D] None of these are true.

Ans- D

Solution- Both conclusion are wrong because from statement we have

$D \geq G = F > E$

So E is smaller than G & D is greater and equal to F but in option D is only equal to F.

102. P3M: N4J: R3P:

A] Q3N

B] P3N

C] Q4N

D] P4N

Ans- D

Solution- This is an alternate series so now comparing P3M and R3P, So by same comparison N4J is coded as P4N.

103. Mannat drives his truck from point 1 and take it 20 km north, from where he turns right and drives 30 km. Then he turns right again and drives for another 20 km and reaches point 2. In what direction did he drive once he took the second turn?  
A] north                      B] South                      C] East                      D] West

Ans- D

Solution- Firstly Mannat drives in North then he turn right that means he turns to the east direction, now again he turns right that means he turns to south direction. Now he have to turn left that means he have to travel west to reach point 1.

104. Excessive amount of mercury in drinking water, associated with certain types of industrial pollution have been shown to cause Hobson's disease. Island R has an economy based entirely on subsistence-level agriculture. There is no modern industry. The inhabitants of island R are highly effected by this Hobson's Disease. Which of the following can be validly inferred from the above statement?  
A] Mercury in drinking water is actually perfectly safe.  
B] Mercury in drinking water must have sources other than industrial pollution.  
C] Hobson's Disease must have caused by some other source than mercury in drinking water.  
D] Both option I and II  
E] Both option III and II.

Ans- E

Solution- Because it is written in the 2<sup>nd</sup> line of the passage who specify the option B and C.

105. Passage  
5 men P,Q,R,S AND T read a newspaper.  
The one who reads first gives it to R.  
The one who reads last has taken it from P.  
T was not the first or last to read.  
There were two readers between Q and P.  
Who did Q pass the newspaper to?  
A] R                      B] T                      C] P                      D] S

Ans- A

Solution- According to the statement the sequence of paper is Q, R, T, P, S.  
so, Q passes the paper to R.

106. P is the father of R but R is not his son. M is the spouse of R. how is M related to P?  
A. son-in-law              B. wife              C. daughter-in-law              D. uncle

Ans- A

Solution- Sign Convention(' + ' for Male, ' - ' for Female, 'U' is stands for married couples )



107. A man goes to the park and sees a girl who he recognized to be his relative. The girl was the daughter of his sister's husband's wife. How is the girl related to the man?
- A. niece                      B. sister-in-law                      C. sister                      D. aunt

Ans- A

Solution- SISTER'S/BROTHER'S DAUGHTER IS RELATED AS NIECE . SO THE GIRL RELATED AS NIECE

108. Choose the answer option that arranges the given set of words in the 'most' meaningful order. The words when put in order should make logical sense according to size, quality, quantity, occurrence of events, value, appearance, nature, process etc.
1. Centigram 2. Megagram 3. Microgram 4. Milligram 5. Kilogram
- A. 4,3,2,1,5      B. 3,4,1,5,2      C. 4,2,3,1,5      D. 3,2,1,4,5

Ans- B

Solution- 1 centigram =  $10^{-2}$  gm

1 megagram =  $10^6$  gm

1 microgram =  $10^{-6}$  gm

1 milligram =  $10^{-3}$  gm

1 kilogram =  $10^3$  gm

109. The question consists of a problem question followed by two statements I and II. Find out if the information given in the statement(s) is sufficient in finding the solution to the problem.
- Problem question: What is the monthly salary of Raghu?
- Statements: I) The salaries of Raghu and his brother are in the ratio 5:6 respectively  
 II) The salary of Raghu's brother is Rs 32,000 per month
- A. Statement I alone is sufficient in answering the problem question  
 B. Statement II alone is sufficient in answering the problem question  
 C. Both statements put together are sufficient in answering the problem question  
 D. Both the statements even put together are not sufficient in answering the problem question  
 E. Either of the statement is sufficient in answering the problem question

Ans- C

Solution- both statements are required

110. The question consists of a problem question followed by two statements I and II. Find out if the information given in the statement(s) is sufficient in finding the solution to the problem.

Problem question: What is the value of  $A + B + C$ ?

Statements: I)  $A + B$  is twice the value of  $C$  and  $C$  is a positive square root of 49.

II)  $A, B$  and  $C$  are equal and their sum is a multiple of 5:

- A. Statement I alone is sufficient in answering the problem question
- B. Statement II alone is sufficient in answering the problem question
- C. Either of the statements taken individually is sufficient in answering the problem question
- D. Both statements put together are sufficient in answering the problem question
- E. Both the statements even put together are not sufficient in answering the problem question

Ans- A

Solution- From Statement 1<sup>st</sup>-  $A+B=2C$

$C=\sqrt{49}=7$  so  $A+B+C=21$

From Statement 2 we cant find the value of  $A+B+C$

111. From the given choices select the odd one out.
- A. HIJK
  - B. KLMN
  - C. STVU
  - D. RSTU

Ans- D

Solution- H I K J=8 9 11 10,

K L N M=11 12 14 13,

S T V U=19 20 22 21,

R S T U= 18 19 20 21

112. 10, 14, 23, 39, 64, .....
- A. 100
  - B. 125
  - C. 128
  - D. 148

Ans- A

Solution-  $14-10=4=2^2$

$23-14=9=3^2$

$39-23=16=4^2$

$64-39=25=5^2$

So next number is  $64+6^2=100$

113. Shivam put his wall clock on a table in such a way that at 9 a.m, the hour hand was pointing South. In which direction will the minute hour point at 9:30 p.m?  
A. South      B. North      C. West      D. East

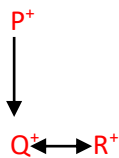
Ans- D

Solution- It point towards East

114. P is the father of Q and R, Q is the only son of P. What is R's relation with P?  
A. Daughter      B. Niece      C. Son      D. Nephew

Ans- A

Solution-



115. Choose the answer option that arranges the given set of words in the 'most' meaningful order. The words when put in order should make logical sense according to size, quality, quantity, occurrence of events, value, appearance, nature, process etc.  
1\_ Cotton 2\_ Plant 3. Cloth 4\_ Yarn 5. Shirt  
A. 2,1,4,5,3      B. 2,4,1,3,5      C. 2,1,4,3,5      D. 2,4,3,1,5

Ans- C

Solution- As per the cycle

116. The question consists of a problem question followed by two statements I and II. Find out if the information given in the statement(s) is sufficient in finding the solution to the problem.

Problem question: The value of  $p^2 - 2qr$  can be found if:

Statements: I) The value of  $p+q$  is given

II) The value of  $q+r$  is given

- A. Statement I alone is sufficient in answering the problem question  
B. Statement II alone is sufficient in answering the problem question  
C. Both statements put together are sufficient in answering the problem question  
D. Both the statements even put together are not sufficient in answering the problem question  
E. Either of the statement is sufficient in answering the problem question

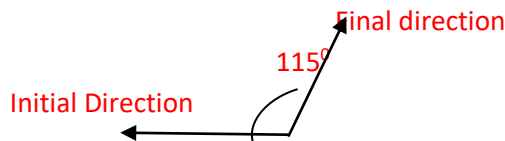
Ans- D

Solution- Both even put together are not sufficient as value required can't be determined by using both equations.

117. I was facing west. I turned  $125^\circ$  in the clockwise direction and  $10^\circ$  in the anticlockwise direction. Which direction am I facing now?
- A. north-west      B. east      C. north      D. NORTH-EAST

Ans- D

Solution-  $125-10=115$



118. The question consists of a problem question followed by two statements I and II. Find out if the information given in the statement(s) is sufficient in finding the solution to the problem.

Problem question: What is Mohan's rank in the class?

Statements: I) There are thirty students in the class

II) There are six girls who have scored less than Mohan

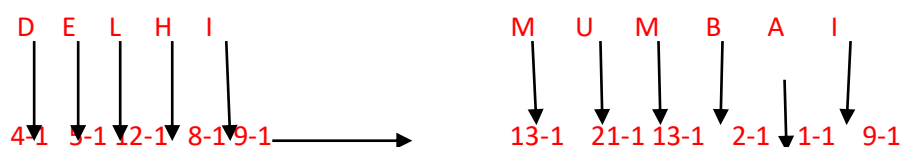
- A. Statement I alone is sufficient in answering the problem question  
B. Statement II alone is sufficient in answering the problem question  
C. Both statements put together are sufficient in answering the problem question  
D. Both the statements even put together are not sufficient in answering the problem question  
E. Either of the statement is sufficient in answering the problem question

Ans- D

Solution- Because we don't know the number of boys in the class. Both even put together are not required.

119. If DELHI is coded as 34178, what is the code for MUMBAI?
- A. 202801      B. 202108      C. 202018      D. 202081

Ans- B



120. 9, 54, 135, 252, .....
- A. 400      B. 405      C. 380      D. 420

Ans- B

Solution-  $54-9=45$  i.e  $9*5$

$135-54=81$  i.e  $9*9$

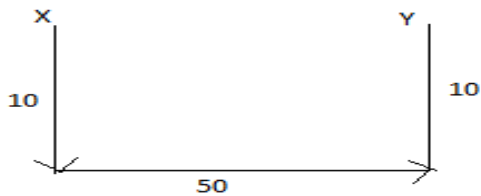
$252-135=117$  i.e  $9*13$

$x-251= 9*17$  i.e  $x=405$

121. A player "X" stands 50 yards away from "Y" in the West. He moves 10 yards straight towards South and then turns Eastward going up to 50 yards, while Y also comes down Southward and meets X at the same point. How far is Y from his original position?
- a. 50 yards      b. 40 yards      c. 20 yards      D.10 yards

Ans- D

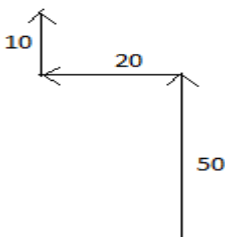
Solution- 10



122. Philip was taking an evening stroll. He started walking north and walked for 50 meters, then he took a left turn and walked for another 20 meters, then he took a right turn and walked for 10 meters and sat on a bench there. In which direction does the bench lie from Philip's starting point?
- A. North-West      B. South-East      C. South-West      D. North

Ans- A

Solution- North-West



123. The question consists of a problem question followed by two statements I and II. Find out if the information given in the statement(s) is sufficient in finding the solution to the problem.



Problem question: Who is the son of R?

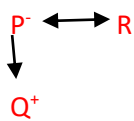
Statements: I) P is R's sister

II) Q is the son of P

- A. Statement I alone is sufficient in answering the problem question
- B. Statement II alone is sufficient in answering the problem question
- C. Both statements put together are sufficient in answering the problem question
- D. Both the statements even put together are not sufficient in answering the problem question
- E. Either of the statement is sufficient in answering the problem question

Ans- D

Solution- Both are not sufficient



124. The question consists of a problem question followed by two statements I and II. Find out if the information given in the statement(s) is sufficient in finding the solution to the problem.

Problem question: how is sita related to rita?

Statements: I) gita is the sister of rita.

II) gita is sita's daughter

- A. Statement I alone is sufficient in answering the problem question
- B. Statement II alone is sufficient in answering the problem question
- C. Both statements put together are sufficient in answering the problem question
- D. Both the statements even put together are not sufficient in answering the problem question
- E. Either of the statement is sufficient in answering the problem question

Ans- C

Solution- Both are not sufficient



125. Two friends raman and rajan start a race and run together for 20 kms towards east. From there, raman runs 10 kms towards north-east and rajan continues running in the east for 8 kms. How far are the two friends now from each other?
- A. 6 KMS      B. 20 KMS      C. 18 KMS      D. 30 KMS

Ans- A

Solution- 6 km

#### D. DKTF

Ans- C

Solution- Reversing the alphabets

129. Seta who is the sister-in-law of arvind, is the daughter-in-law of sumedha. Deepak is the father of saarthak, who is the only brother of arvind. How is sumedha related to arvind?
- A. mother-in-law      B. mother      C. aunt      D. grandmother

Ans- A

Solution- Mother-in- law

Seta is sister in law of arvind and sumedha's granddaughter mean sumedha is mother in law of arvind

130. The question consists of a problem question followed by two statements I and II. Find out if the information given in the statement(s) is sufficient in finding the solution to the problem.

Problem question: Who is the nephew of X?

Statements: I) Y is the sister of X

II) Z is the son of Y

- A. Statement I alone is sufficient in answering the problem question  
B. Statement II alone is sufficient in answering the problem question  
C. Both statements put together are sufficient in answering the problem question  
D. Both the statements even put together are not sufficient in answering the problem question  
E. Either of the statement is sufficient in answering the problem question

Ans- C

Solution- C we need both statement to get the answer X's nephew

131. The question consists of a problem question followed by two statements I and II. Find out if the information given in the statement(s) is sufficient in finding the solution to the problem.

Problem Question: There are four friends Akash, Manoj, Nitesh and Piyush. They are standing in increasing order of their heights facing towards North. At what position is Manoj standing?

Statements: I. Akash is taller than Piyush and Piyush is taller than Manoj. Manoj is not the shortest.

II. Nitesh is smaller than Manoj and Piyush. Nitesh is the shortest and Piyush is the tallest

- A. I alone is sufficient while II alone is not sufficient  
B. II alone is sufficient while I alone is not sufficient  
C. Either I or II is sufficient

- D. Neither I nor II is sufficient
- E. Both I and II together are sufficient

Ans- C

Solution- Each statement alone can give us the position of manoj

132. The question consists of a problem question followed by two statements I and II. Find out if the information given in the statement(s) is sufficient in finding the solution to the problem.

Problem question: Is Radha Manju's sister?

Statements: I) Rahul has two daughters of which Manju is one.

II) Radha's mother is married to Rahul.

- A. Statement I alone is sufficient
- B. Statement II alone is sufficient
- C. Both statements put together are sufficient
- D. Both the statements even put together are not sufficient

Ans- C

Solution- We can use both the statement to solve the question as in first statement clearly visible  $A > P > M > N$

133. Given signs signify something and on that basis, assume the given statement to be true. Answer the question basis the information provided.

"#" denotes "greater than"

"/" denotes "equal to"

"&" denotes "not equal to"

"+" denotes "lesser than"

"%" denotes "a little more than"

"\*" denotes "a little less than"

If  $A * B$  and  $B / C$ , then

- A.  $C \% A$
- B.  $B \# C$
- C.  $A \% C$
- D.  $C / A$

Ans- A

Solution-  $A * B$  mean little less than and  $b/c$  means equal to so C is little more than A

134. From the given choices select the odd one out.

A) BAD

B) FEH

C) POS

D) TSV

Ans- C

Solution- Second word is the next from the first word and last has difference of 1.

135. If "Apples are red" is coded as 541, "My eye swollen" is coded as 927, "fear of dark" is coded as 368, then what does "Apple of my eye" stand for?  
A) 5692                                      B) 5690                                      C) 5962                                      D) 5672

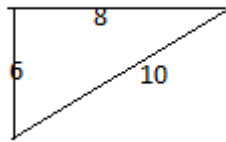
Ans- C

Solution- We can clearly see code for apple is 5 and for of is 9 and my = 6 and eye = 2

136. X walks 6 km towards East from a point A and from the same point A, Y walks 8 km towards South. How far are the two friends from each other now?  
A) 14 km                                      B) 2 km                                      C) 10 km                                      D) 5 km

Ans- C

Solution- 10 km



137. The question consists of a problem question followed by two statements I and II. Find out if the information given in the statement(s) is sufficient in finding the solution to the problem.  
Problem: There are four friends Akash, Manoj, Nitesh and Piyush. They are standing in increasing order of their heights facing towards North. At what position is Manoj standing?  
Statements:  
I. Akash is taller than Piyush and Piyush is taller than Manoj. Manoj is not the shortest.  
II. Nitesh is smaller than Manoj and Nitesh. Nitesh is the shortest and Piyush is the tallest.  
A) I alone is sufficient while II alone is not sufficient.  
B) II alone is sufficient while I alone is not sufficient.  
C) Either I or II is sufficient.  
D) Neither I nor II is sufficient  
E) Both I and II together are sufficient.

Ans- D

Solution- In statement (I) it is said that "Akash is taller than Piyush". In statement (II) it is said that "Piyush is the tallest." So there is a contradiction, so we can't combine them and no one alone is sufficient to answer. So, Neither 1st nor 2nd is sufficient

138. Given signs signify something and on that basis, assume the given statements to be true and find which of the two conclusions I and II is/are definitely true.  
"%" denotes "greater than"  
">" denotes "equal to"

"=" denotes "not less than"

"@" denotes "not equal to"

"#" denotes "less than"

"\*" denotes "not greater than"

Statements:  $P > S$ ,  $S @ T$ ,  $P \# R$

Conclusions: I.  $S \% R$  II.  $P @ T$

A) Only conclusion I is true.

B) Only conclusion II is true.

C) Neither conclusion I nor II is true.

D) Both conclusion I and II are true.

**Ans- B**

**Solution-** From the statement this expression formed  $R > P = S \neq T$  ( $\neq$  NOT EQUAL TO). Hence conclusion 2nd follows.

139. The question consists of a problem question followed by two statements I and II. Find out if the information given in the statement(s) is sufficient in finding the solution to the problem.

**Problem:** How much time would a machine take to put caps on 300 bottles?

**Statements:**

I. It takes 8 hours to put caps on 300 bottles manually.

II. It takes 2 minutes lesser to put cap on a bottle using machine than putting it manually.

A) Statement I alone is sufficient in answering the problem.

B) Statement II alone is sufficient in answering the problem.

C) Both statements put together are sufficient in answering the problem.

D) Both the statements even put together are not sufficient in answering the problem.

E) Either of the statement is sufficient in answering the problem.

**Ans- C**

**Solution-** From 1st statement, time taken to put cap on bottles manually is given and from 2nd statement it is clear that it takes 2 min less to put cap on bottles by machine rather than manually. So from both statements we can find the time taken to put cap on bottles.

140. Given signs signify something and on that basis, assume the given statements to be true and find which of the two conclusions I and II is/are definitely true.

"%" denotes "greater than"

">" denotes "equal to"

"=" denotes "not less than"

"@" denotes "not equal to"

"#" denotes "less than"

"\*" denotes "not greater than"

Statements:  $P = Q$ ,  $S \# R$ ,  $T * Q$

Conclusions: I.  $T * P$  II.  $T \% Q$

A) Only conclusion I is true.

C) Neither conclusion I nor II is true.

B) Only conclusion II is true.

D) Both conclusion I and II are true.

Ans- A

Solution- From the statements, expression formed is  $T \leq Q \leq P$  and  $S < R$ . So, only conclusion 1 is followed.

141) Find the next number in the series 1, 3, 7, 13, 21, 31

(a) 43

(b) 33

(c) 41

(d) 45

Ans : a

Sol : the difference b/w 1<sup>st</sup> term and 2<sup>nd</sup> term is 2, in the same way difference b/w 2<sup>nd</sup> and 3<sup>rd</sup> term is 4 and so on we get the differences as 6, 8, 10 and next will be 12

So we get =  $31 + 12$

142) A person travels 12 km in the southward direction and then travels 5 km to the right and then travels 15 km toward the right and finally travels 5 km towards the east, how far is he from his starting place?

(a) 5.5 kms

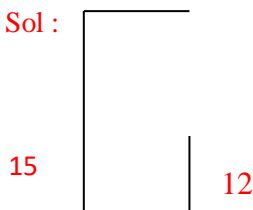
(b) 3 km

(c) 13 km

(d) 6.4 km

Ans : b 5

Sol :



143) X's father's wife's father's granddaughter uncle will be related to X as

(a) Son

(b) Nephew

(c) Uncle

(d) Grandfather

Ans : c

Sol : . X's father's wife's means X's mother

X's father's wife's father's means X's maternal grandfather

X's father's wife's father's granddaughter means either X itself or X's sister

Thus relation will be X's uncle or X's sister uncle will in turn be X's uncle

144) The time showed by an analog clock at a moment is 11 am then 1234567890 hours later it will show the time as:

- a) 11am
- b) 11pm
- c) **5am**
- d) 4pm

**Ans : c**

**Sol :** We know a day has 24 hours.

So 1234567890 hours can be expressed as,

$$1234567890 = 24(51440328) + 18 \text{ (i.e., divide the given hour(1234567890) by 24)}$$

$$1234567890 \text{ hours} = 51440328 \text{ days} + 18 \text{ hours}$$

Now the clock shows 11am, after 1234567890 hours it will show 11 am + 18 hours

$$11\text{am} + 12 \text{ hours} + 6 \text{ hours}$$

$$11\text{pm} + 6 \text{ hours}$$

$$5 \text{ am}$$

Hence the required time is 5 am

145) The time showed by the clock at a moment is 8 am then the respective time of after and before 42896 hours is :

- a) **4 pm & 12 am**
- b) 6 am & 4 pm
- c) 5 pm & 7 am
- d) 3 am & 3 pm

**Ans : a**

**Sol :** We can express 42896 as

$$42896 = 24(1787) + 8$$

Therefore after 42896 hours the time is 8 am + 8 hours

$$8\text{am} + 4 \text{ hours} + 4 \text{ hours}$$

$$12 \text{ pm} + 4\text{hours}$$

$$4\text{pm}$$

And before 42896 hours is 8am - 8 hours

$$= 12 \text{ am}$$

Hence the required answer is option a.

146) 17 9 ? 16.5 35 90

- A) 5
- B) 15
- C) 10
- D) 20



E) None of these

**Ans : c**

$$\text{Sol : } 9 = 17 * 0.5 + 0.5$$

$$10 = 9 * 1 + 1$$

$$16.5 = 10 * 1.5 + 1.5$$

$$35 = 16.5 * 2 + 2$$

$$90 = 35 * 2.5 + 2.5$$

147) Find the missing number in 25, 38, \_, 64, -27, 90

- a) -1
- b) 51
- c) 39
- d) -32

**Ans : a**

$$\text{Sol : } 23 + 15 = 38$$

$$38 + 7 = 45$$

$$45 + 19 = 64 \text{ (So you are adding 4 to the 15)}$$

$$64 + 3 = 67 \text{ ( So you are subtracting 4 from 7)}$$

so the next in the sequence is

$$67 + 23 + 90 \text{ (19 + 4)}$$

$$90 - 1 = 89 \text{ ( 3 - 4 = -1)}$$

148. If EXAM is coded as FYBN, then TEST is coded as:

- A. NBYF
- B. UFTU
- C. SFTS
- D. SFRS

**Ans-B**

**Sol- EXAM ----→ FYBN by adding 1 in each digit**

**TEST---→UFTU**

149. From the given choices select the odd man out.

- A. bb c MN
- B. dd e OP
- C. gg f QP

D. mm n WX

Ans-C

Sol-gg f QP written in reverse order =>PQ

150. PROGRAM : QTRKWGT :: APPLIANCE:

A. BRSPNGUKO

B. BRSQNGUKN

C. BRSQNGUKO

D. BRSPNGUKN

Ans-D

Sol-  $P = 16 + 1 = 17 \Rightarrow Q, R = 18 + 2 = 20 = T, O = 15 + 3 = 18 = R$

Similarly APPLIANCE = BRSPNGUKN

151. 9, 3, 18, 6, 36, 12, .....

A. 24

B. 48

C. 60

D. 72

Ans-D

Sol- two series alternatively ever no. multiply with 2

$9*2=18*2=36*2=72$

152. Q is the wife of R.M is the mother of R and S. How is M related to Q?

A. Father

B. Mother- in – law

C. Uncle

D. Father- in – law

Ans-B

Sol-M is mother of R and R is husband of S

153. Cia is the only daughter of Bob who celebrating her birthday. A total of 5 members attended the party. Amy was the daughter – in – law of Freda who was the wife of Emanuel. Danny was the son of Amy and brother of Cia. How is Amy related to Emanuel?

- A. Sister
- B. Grand- Daughter
- C. Daughter- in – law
- D. Daughter

**Ans-C**

**Sol-** Amy was the daughter – in – law of Freda; Freda is wife of Emanuel i.e Amy was the daughter – in – law of Emanuel.

154. Passage

- (i) Six friends P,Q,R,S,T and U are sitting in two rows, three in each.
- (ii) T is not at the end of any row.
- (iii) S is second to the left of U.
- (iv) R, the neighbor of T, is sitting diagonally opposite to S.
- (v) Q is the neighbor of U.

Which of the following pairs are in the same row?

- A. P and Q
- B. R and Q
- C. T and S
- D. S and Q

**Ans-D**

**Sol-** Q---U---S

R---T---P

155. Passage

- (i) Six friends P,Q,R,S,T and U are sitting in two rows, three in each.
- (ii) T is not at the end of any row.
- (iii) S is second to the left of U.
- (iv) R, the neighbor of T, is sitting diagonally opposite to S.
- (v) Q is the neighbor of U.

Which pair is sitting diagonally opposite to each other?

- A. P and T

B. P and Q

C. P and U

D. U and Q

**Ans-B**

**Sol- Q---U---S**

**R---T---P**

155. Passage

(i) Six friends P,Q,R,S,T and U are sitting in two rows, three in each.

(ii) T is not at the end of any row.

(iii) S is second to the left of U.

(iv) R, the neighbor of T, is sitting diagonally opposite to S.

(v) Q is the neighbor of U.

After interchanging seat with T, who will be the neighbor(s) of Q in the new position?

A. P and R

B. S and U

C. Only P

D. Only U

**Ans-A**

**Sol- Q---U---S**

**R---T---P**

156. Passage

(i) Six friends P,Q,R,S,T and U are sitting in two rows, three in each.

(ii) T is not at the end of any row.

(iii) S is second to the left of U.

(iv) R, the neighbor of T, is sitting diagonally opposite to S.

(v) Q is the neighbor of U.

Who is facing S?

A. Q

B. P

C. T

D. R

**Ans-B**

**Sol- Q---U---S**

**R---T---P**

157. Choose the answer option that arranges the given set of words in the 'most' meaningful order. The words when put in order should make logical sense according to size, quality, quantity, occurrence of events, value, appearance, nature, process etc.

1. File

2. Computer

3. Programs

4. Paint

5. Print

A. 2, 1, 3, 4, 5

B. 2, 3, 4, 1, 5

C. 2, 1, 4, 3, 5

D. 2, 4, 3, 1, 5

**Ans-B**

**Sol-Computer→program→paint→file→print. → 2, 3, 4, 1, 5**

158. Problem question: Is "m" divisible by 6?

Statements:

I) "m" is divisible by 3

II) "m" is divisible by 4

A. Statement I alone is sufficient

B. Statement II alone is sufficient

C. Both statements put together are sufficient

D. Both the statements even put together are not sufficient

E. Either of the two statements individually is sufficient

Ans-D

Sol- Both the statements even put together are not sufficient.

M must be divisible by 3 and 2 to answer the question, not by 4.

159. Problem question: What is the area of the given rectangular field?

Statements:

I) The perimeter of the field is given

II) The diagonal of the field is given

A. Statement I alone is sufficient in answering the problem question

B. Statement II alone is sufficient in answering the problem question

C. Both statements put together are sufficient in answering the problem question

D. Both the statements even put together are not sufficient in answering the problem question

E. Either of the statements is sufficient in answering the problem question.

Ans-C

Sol-  $2(a+b)=\text{perimeter}$ ;  $a^2+b^2=\text{Diagonal}^2$

Here we get the values of a and b. to find area of rectangle.

169. If SPORTS is coded as TOPQUR, then GAME is coded as:

A. HZND

B. FBNF

C. HBND

D. FZNF

Ans-A

Sol-S P O R T S                      G A M E

+1 -1 +1 -1 +1 -1                      +1 -1 +1 -1

T O P Q U R                      H Z N D

160. Choose the answer option that arranges the given set of words in the 'most' meaningful order. The words when put in order should make logical sense according to size, quality, quantity, occurrence of events, value, appearance, nature, process etc.

1. Community

2. Locality

3. Family

4. Country

5. Person

A. 4, 1, 2, 3, 5

B. 4, 2, 1, 3, 5

C. 5, 3, 2, 1, 4

D. 5, 3, 4, 2, 1

Ans-C

Sol- 5,3,2,1,4

Person < Family < Locality < Community < Country.

161. Select the right option from the given alternatives.

A17R : D12P :: G7N : ?

A. H2K

B. J3M

C. J2L

D. H3K

Ans-C

Sol-  $A=1+17=18=R$ ;  $D=4+12=16=P$ ;  $G=7+7=14=N \Rightarrow J=10+2=12=L$

162. Select the right option from the given alternatives.

AZP : ZAR :: TXK : ?

A. UWL

B. SYM

C. SVN

D. XTM

Ans-D

Sol- As per the logic, the first 2 letters are interchanged.  $\rightarrow TX = XT$ .  
Third letter of the series is found by  $P + 2 \rightarrow R \Rightarrow K + 2 \Rightarrow M$

So the series is AZP : ZAR :: TXK : XTM.

163. Choose the right answer.

Pick the odd man out.

A. D6J

B. T4Z

C. M6S

D. K7R

Ans-B

Sol-D=4+6=10=J; T=20+4=24=Z; M=13+6=19=S

164. Problem question: PQRS are four friends. Who is the youngest among them?

Statements:

I) The total age of P and Q is more than that of R.

II) The total age of P and S together is less than that of R.

A. Statement I alone is sufficient

B. Statement II alone is sufficient

C. Both statements put together are sufficient

D. Both the statements even put together are not sufficient

Ans-C

Sol-. Both statements put together are sufficient

$P+Q > R$ . Let  $12+17 > 20$ .

$P+S < R \Rightarrow 12+7 < 20$

165. If the sum of the squares of two number is given. Find two numbers.

Statements:

I) Average of the numbers is given.

II) Sum of the numbers is given.

A. Statement I alone is sufficient

B. Statement II alone is sufficient

C. Both statements put together are sufficient

D. Both the statements even put together are not sufficient

E. Either of the statements is sufficient



Ans-E

Sol-Either of the statements is sufficient .

Let  $a^2 + b^2 = 100$ ;  $a+b=14$  or  $a+b=7*2$

We can find a and b.

166. If COMPUTER is coded as GKQLYPIN, what is the code for SENATE?

A. WAREXA

B. WAERXA

C. WARWXA

D. WAERAX

Ans-C

Sol-C O M P U T E R

S E N A T E

+4 -4 +4 -4 +4 -4 +4 -4

+4 -4 +4 -4 +4 -4

G K Q L Y P I N

W A R W X A

167. Pointing to a lady, a man said, "She is the daughter of the woman who is the mother of the husband of my mother". How is the lady related to the man?

A. Grandmother

B. Sister

C. Mother

D. Aunt

Ans-D

Sol- The relations may be analysed as follows :

Mother's husband -- Father;

Father's mother -- Grandmother;

Grandmother's daughter -- Father's sister;

Father's sister -- Aunt.

So, the lady is Man's aunt.

168. Aakriti is standing on point A facing west. She walks straight for 15 meters and then takes a right turn and walks 8 meters to reach point B. What is the smallest distance between the two points and in which direction of point A does point B lie?

A. 15 meters, West

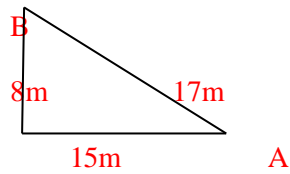
B. 8 meters, North-West

C. 17 meters, North-West

D. 17 meters, North-East

**Ans-C**

Sol- By using Pythagoras formula :  $15^2 + 8^2 = AB^2 \Rightarrow 17$  meters, North-West



169. Select the right option from the given alternatives.

P3M:N4J:R3O:

A. Q3N

B. P3N

C. Q4N

D. P4N

**Ans-A**

Sol-  $P=16-3=13=M \Rightarrow P3M$

$N=14-4=J; R=18-3=15=O; Q=17-3=14 \Rightarrow N$

170. Find the next number in the series.

79, 64, 26, 15, ....

A. 9

B. 6

C. 10

D. 8

**Ans-A**

Sol-  $79 = 7 \times 9 + 1 = 64$

$64 = 6 \times 4 + 2 = 26$

$26 = 2 \times 6 + 3 = 15$

$15 = 1 \times 5 + 4 = 9$

171. Farooq's sister's husband's father-in-law's brother's daughter's brother met with an accident. What is the relation of this person with Farooq?

A. Brother

B. Cousin

C. Father

D. Uncle

**Ans-B**

Sol- brother---(sister)-daughter-----father-in-law 's brother----- father----(daughter)--Farooq's sister

172. A man walks 1 km towards West and then he turns towards South and walks 7 km. Again, he turns towards North and walks 1 km. After this, he turns towards East and walks 9 km. Now, how far is he from the starting point?

A. 7 km

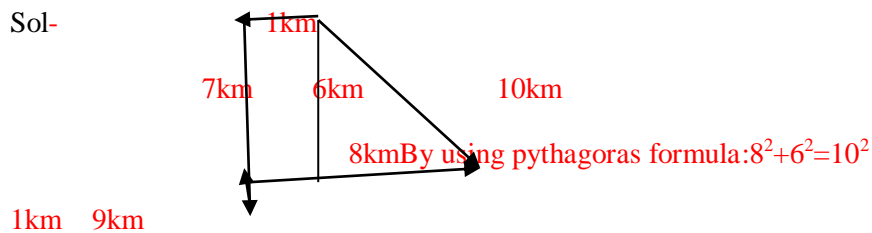
B. 8 km

C. 9 km

D. 10 km

**Ans-D**

Sol-



173. Passage: Four working ladies A, B, C and D are sitting around a table.

(i) A sits opposite to the cook.

(ii) B sits on the right side of the beautician.

(iii) Teacher is on the left side of an accountant.

(iv) D sits opposite to C.

(v) C is to the right of the accountant.

**What are the occupations of A and B?**

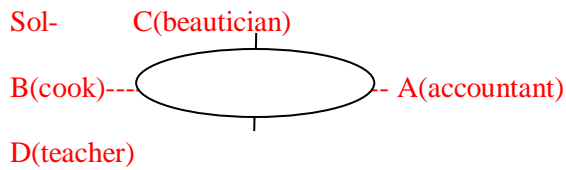
A. Accountant and Beautician

B. Accountant and Cook

C. Accountant and Teacher

D. Teacher and Cook

Ans-B



174. Passage

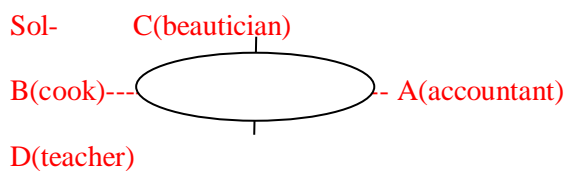
Four working ladies A, B, C and D are sitting around a table.

- (i) A sits opposite to the cook.
- (ii) B sits on the right side of the beatician.
- (iii) Teacher is on the left side of an accountant.
- (iv) D sits opposite to C.
- (v) C is to the right of the accountant.

Who is sitting to the left of beatician?

- A. Cook
- B. Accountant
- C. Teacher
- D. None of the above

Ans-B



175. Passage

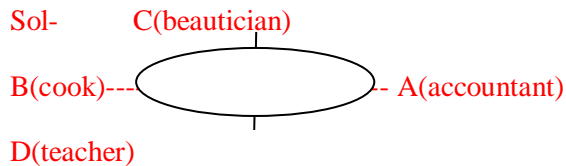
Four working ladies A, B, C and D are sitting around a table.

- (i) A sits opposite to the cook.
- (ii) B sits on the right side of the beatician.
- (iii) Teacher is on the left side of an accountant.
- (iv) D sits opposite to C.
- (v) C is to the right of the accountant.

What is the occupation of C?

- A. Beautician
- B. Teacher
- C. Accountant
- D. Cook

**Ans-A**



176. Passage

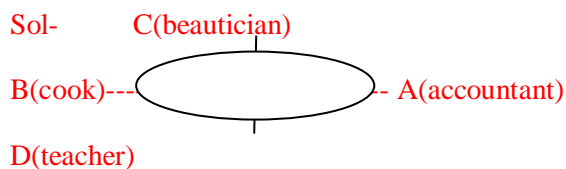
Four working ladies A, B, C and D are sitting around a table.

- (i) A sits opposite to the cook.
- (ii) B sits on the right side of the beautician.
- (iii) Teacher is on the left side of an accountant.
- (iv) D sits opposite to C.
- (v) C is to the right of the accountant.

What is the occupation of D?

- A. Accountant
- B. Beautician
- C. Teacher
- D. Cook

**Ans-C**



177. Choose the answer option that arranges the given set of words in the 'most' meaningful order. The words when put in order should make logical sense according to size, quality, quantity, occurrence of events, value, appearance, nature, process etc.

- 1. Counter
- 2. Enjoy

3. Ticket

4. Money

5. Travel

A. 1, 3, 4, 2, 5

B. 3, 1, 4, 5, 2

C. 1, 4, 3, 5, 2

D. 3, 1, 4, 2, 5

**Ans-C**

Sol-counter--→money→ticket→travel-→enjoy

178. Problem question: How many daughters does A have?

Statements:

I) A's wife has four sons: P, Q, R and S.

II) S has one sister.

A. Statement I alone is sufficient

B. Statement II alone is sufficient

C. Both statements put together are sufficient

D. Both the statements even put together are not sufficient

**Ans-C**

Sol- A's wife has four sons: P, Q, R and S.⇒4 sons; S has one sister.

That means A's wife have 5 children and have one daughter.

179. How old is Rahul?

Statements:

I) Rakesh, Ranjan and Rahul are all of the same age.

II) The sum of age of Rakesh, Rahul and Mohan is 38 years.

A. Statement I alone is sufficient

B. Statement II alone is sufficient

C. Both statements put together are sufficient

D. Both the statements even put together are not sufficient

Ans-C

Sol-Statement I) $\Rightarrow$ Rakesh, Ranjan and Rahul are all of the same age.

Let age of Rahul = x; then statement II $\Rightarrow 3x = 38$ . here we get answer.

180. Choose the odd man out.

A. TRIANGLE

B. SQUARE

C. PENTAGON

D. CIRCLE

Ans-D

Sol- TRIANGLE, SQUARE and PENTAGON have dimensions and edges but circle have curves

181. Find the missing number in the series.

3, 6, 9, ..., 24, 39

A. 15

B. 10

C. 12

D. 18

Ans-A

Sol-  $(3+6)=9$ ,  $(6+9)=15$ ,  $(15+9)=24$ ,  $(24+15)=39$

182. If NOBLE is coded as ONBEL, then GRAND is coded as:

A. RGADN

B. HSBOE

C. HTCOD

D. RAGDN

Ans-A

Sol-NOBLE  $\rightarrow$  ONBEL By interchanging first two letters and last two letters

GRAND  $\rightarrow$  RGADN

183. If UFYBN represents RIVEK, what does TRDOWBU stand for?

A. QUTAR

B. QUARTER

C. TARTAR

D. TUARTAR

Ans-B

Sol-U F Y B N

T R D O W B U

-3 +3 -3 +3 -3

-3 +3 -3 +3 -3 +3 -3

R I V E K

Q U A R T E R

184. Pointing to a man, a girl said, "He is the husband of the grand daughter of the mother of my mother". How is the man related to the girl?

A. Cousin

B. Brother – in – law

C. Brother

D. Father

Ans-B

Sol-Grand mother → mother → girl --- (sister) daughter ← → husband

185. Choose the right answer.

From the given anagrams select the odd one out

A. ESOR

B. POLIT

C. LUFTE

D. STUOL

Ans-C

Sol- LUFTE is odd, because ESOR, POLIT and STUOL are the name of flowers.

186. Select the right option from the given alternatives.

I was facing North. I turned  $110^\circ$  in the anticlockwise direction and then  $155^\circ$  in the clockwise direction. Which direction am I facing now?

A. East

B. North- East

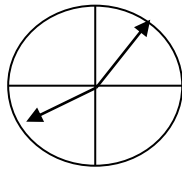
C. North



D. South- West

Ans-B

Sol-



North  $-110^{\circ} \rightarrow$  southwest  $+ 155^{\circ} \rightarrow$  north  $+ 45^{\circ} \rightarrow$  North-East

187. Given signs signify something and on that basis, assume the given statement to be true. Answer the question basis the information provided.

“%” denotes “greater than”

“>” denotes “equal to”

“=” denotes “not less than”

“@” denotes “not equal to”

“#” denotes “less than”

“\*” denotes “not greater than”

If  $A \% B \# C$ , it follows that

A.  $A > C \# B$

B.  $B = A \% C$

C.  $A = B * C$

D.  $C * B = A$

Ans-C

Sol-% ----  $>$ ;  $>$  --  $=$ ;  $=$  --  $\geq$ ; @ ---  $\neq$ ; # --  $<$ ; \* ---  $\leq$

$A = B * C$  means  $\Rightarrow A \geq B \leq C$

188. Select the right option from the given alternatives.

If north is called north-east, north –east is called east, east is called south-east and so on. What will south-east be called?

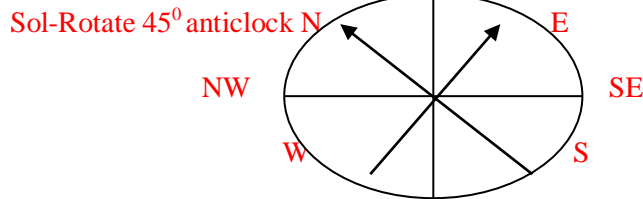
A. West

B. North

C. South

D. East

Ans-C



Instructions for (Q-189-190)

Passage

Following are the criteria for re-allotment of floors by a Housing Society to its residents.

The residents must

- 1) Have stayed for atleast 5 years in the society out of which atleast 3 years should have been spent on floors which end with 0 or 5.
  - 2) Not have more than 5 members in the family.
  - 3) Have given an undertaking to stay there for another 5 years.
  - 4) Have served as a maintenance associate for more than 1 year.
- a) In case a resident satisfies all above criteria except (2) and has stayed in the society for more than 5 years, he/ she should be referred to the Society- President and be given the floor of his/ her choice.
- b) In case a resident satisfies all above criteria except (4) he/ she is to be referred to the Welfare- Associate and be given either 1<sup>st</sup> or 3<sup>rd</sup> floor.

Should the given resident be provided with accommodation? (The case is presented as on 31<sup>st</sup> July, 2012)

**189. Raj has been staying in the society for 6 years and has spent 5 years on 10th floor. He has 6 members in his family. He is willing to give an undertaking to stay for another 5years. He has also served as Maintaince Associate for 1.5 years.**

- A. Resident would not be given any floor
- B. Resident would be given any floor
- C. Resident would be referred to the Society – President
- D. Resident would be referred to the Welfare – Associate
- E. Data insufficient

Ans-C

Sol-% Raj is satisfying all the condition except the 2<sup>nd</sup> condition. Thus, Raj would be referred to the society president.

**190. Raghav has been staying in the society for 7 years and he has spent 3 years of 5<sup>th</sup> floor. He has 3 members in his family and has also given an undertaking to stay for another 5 years. He has served as a Maintenance Associate for 5 months.**

- A. Resident would not be given any floor
- B. Resident would be given any floor
- C. Resident would be given a floor of his choice
- D. Resident would be given either 1<sup>st</sup> or 3<sup>rd</sup> floor
- E. Data insufficient

**Ans-C**

Sol-% Raghav is satisfying all the conditions, thus resident would be given any floor

Instructions for (Q191-192) Passage

The following are the details of the procedure for deciding delivery charges for goods bought from ABC Company. The customers:

1. Are divided into two categories: Those who have sales region code 10 or above into one category and those with the code less than 10 into another.
2. Must have bought goods worth Rs. 5,000 or more in the previous month.
3. Must not have any dealership in any other similar company.
4. Should not have availed bulk discount before.
5. Should have been provided a special discount of 5% or less than that in previous dealings.
6. Should have been regularly ordering for more than 3 years.

However,

- a) If the customer fulfills all conditions except (2) then if the code is less than 10, delivery charges of Rs. 200 would be levied or Rs. 150 for code more than 10.
- b) If the candidate fulfills all the conditions except (3) then if the code is less than 10, delivery charges of Rs. 100 would be levied or Rs. 250 for code more than 10.

Does the customer need to pay any delivery charges? (The case is presented as on 12<sup>th</sup> July, 2011)

**191. Priya is a customer whose sales region code is 08. She has been regularly ordering goods from ABC Company for more than 4 years. She has also purchased goods worth Rs. 6,500 in the**

**previous month. She has never been provided with any bulk discount but has been given a special discount of 2%. However, she also deals with other similar companies.**

- A. Customer need not pay any delivery charges
- B. Customer would have to pay delivery charges
- C. Customer would have to pay Rs. 100 as delivery charges
- D. Customer would have to pay Rs. 250 as delivery charges
- E. Data insufficient

**Ans.C**

Sol-% priya is satisfying all the condition except the 3<sup>rd</sup> statement. So delivery charges of rs 100 to be paid by priya

**192. Ronit is a customer whose sales region code is 14. He has bought goods worth Rs. 6,000 from ABC Company in June. He does not have any dealership in any other similar company. He has never been provided any bulk discount or special discount.**

- A. Customer need not pay any delivery charges
- B. Customer would have to pay delivery charges
- C. Customer would have to pay Rs. 150 as delivery charges
- D. Customer would have to pay Rs. 250 as delivery charges
- E. Data insufficient

**Ans-E**

Sol-% Ronit has bought goods costing rs 6000 in june but there is not any definite statement which shown previous month was june. We are not sure about this statement. Thus, Data insufficient would be the answer of this question.

Given signs signify something and on that basis, assume the given statements to be true and mark the correct option for the questions given below:

- “%” denotes “greater than”
- “\$” denotes “equal to”
- “α” denotes “not less than”
- “@” denotes “not equal to”
- “#” denotes “less than”
- “©” denotes “not greater than”

- A. Only conclusion I is true

- B. Only conclusion II is true
- C. Neither conclusion I nor II is true
- D. Both conclusion I and II are true
- E. Either Conclusion I or II are true.

193. Statements:

$P \% Q, Q \$ R, R \odot T$

Conclusions:

I.  $P \% R$

II.  $R \odot Q$

**Ans-A**

Sol-% By substituting symbols from the above written statements :

$P > Q = R \leq T$

I.  $P > R$  (True), II.  $R \leq Q$  (False)

From the above observation conclusion I is true & II is false.

194. Statements

$L \# M, M \alpha N, N \% O$

Conclusions

I  $L \odot N$

II  $L @ O$

**Ans-C**

Sol-% by substituting symbols from the above written statements:

$L < M \geq N > O$

I.  $L \leq N$  (False), II.  $L \neq O$  (false)

195. Statements

$D \alpha E, E \$ F, F \$ G$

Conclusions

I.  $D \% G$

II.  $D \$ G$

Ans-E

Sol-% by substituting symbols from the above written statements:

$$D \geq E = F = G$$

I.  $D > G$  (False), II.  $D = G$  (False)

Individually both the conclusions are false but if we combine both the conclusion that will become true. Thus either I or 2<sup>nd</sup> will be the answer of this question.

196. If RESULT is coded as SFTVMU then EXAM is coded as

- A. FWBO                      B. DYZL                      C. FYBN                      D. DXZL

Ans – C

Sol- the logic is of +1 means E to F X to Y and so on and hence code is FYBN

197. From the given anagrams select the odd man out

- A. RKOC                      B. RRIVE                      C. ADNS                      D. LNDA

Ans – B

Sol- the logic is all other consist of of 4 alphabets

198. Pick the odd man out.

- A] AE5                      B] DF6                      C] HN14                      D] KP18

Ans- D

Solution- All options follows the pattern that digit is the number of second alphabet except KP18

199. Pointing to a girl child in a photograph a women said, “ Her mother’s sister is the wife of my son” How is the women related to the child?

- A] Mother                      B] Daughter                      C] Sister                      D] None of these

Ans- D

Solution- All options follows the pattern that digit is the number of second alphabet except KP18

200. Shilpa walks 6 Km towards south from there she walks 9 km towards east. Then she walks 2 km towards south and again she walks 3 km towards west How far is she from her original position?

- A] 7 km                      B] 8 km                      C] 9 km                      D] 10 km

Ans- D

Solution- total horizontal distance travelled =  $9-3=6$  and total vertical distance travelled =  $6+2=8$  and hence total distance from starting point =  $\text{Square root } (6^2+8^2) = 10 \text{ km}$

201. Pick the odd man out.

- A] EGK                      B] BEN                      C] CGP                      D] AEU

Ans- D

Solution- All options follows the pattern that digit is the number of second alphabet except KP18

202. Pointing to a boy a man said, " He is the grandson of my daughter's grandmother" How is the man related to the boy?

- A] Father                      B] Grand father                      C] Brother                      D] None of these

Ans- D

Solution- All options follows the pattern that digit is the number of second alphabet except KP18

203. A pole indicating directions erroneously indicates east as south-east south as south-west west as north-west In which direction the pole will indicate north?

- A] North-west                      B] North-east                      C] South                      D] east

Ans- B

Solution- As per given direction the direction have moved  $45^\circ$  in clockwise direction and hence north will become north-east.

204. Choose the answer option that arranges the given set of words in the 'most' meaningful order. The words when put in order should make logical sense according to size, quality, quantity, occurrence of events, value, appearance, nature, process etc.

1. Network    2 Talk    3 Mobile    4 Ring    5. Connection

- A] 3,5,1,4,2                      B] 3,1,5,4,2                      C] 5,3,1,4,2                      D] 5,1,3,4,2

Ans- D

Solution- First connection will follow network followed by mobile then ring and at last talk.

205. Select the right option from the given alternatives.

Building : Bricks :: Flower

- A] Seed                      B] Fruit                      C] Honey                      D] Petals

Ans- A

Solution- Building is built by bricks similarly flower built from seed.

206. Find the next number in the series

10, 7, 12, 10, 14, ...

- A] 18                      B] 12                      C] 13                      D] 16

Ans- C

Solution- Difference between odd terms is 2 and that of even is 3 So  $10+3 = 13$  will be next term

207. Problem question: Among the four friends P,Q,R and S, who is the shortest?

Statements:

I) R is taller than Q smaller than P.

II) Q is taller than S.

A. Statement I alone is sufficient

B. Statement II alone is sufficient

C. Both statements put together are sufficient

D. Both the statements even put together are not sufficient

Ans- C

Solution- From statement I  $P > R > Q$  and from Statement II  $Q > S$  which clearly result in that P is the tallest and hence both are sufficient to answer the question.

208. Select the right option from the given alternatives.

CEHL : MORV :: WYBF :

A] GIKM

B] GILP

C] GJMP

D] GHJM

Ans- A

Solution- logic is +2 then +3 then +4 So  $G+2=I$ ,  $I+3=L$ ,  $L+4=P$  hence GILP.

209. If DETERMINE is coded as ENIMRETED, then DECIDE is coded as:

A] EDICED

B] FGEKFG

C] EFDJEF

D] FGDJFG

Ans-A

Solution- The given word is written backwards in code.

210. One day, Raju left home and cycled 5 km Southwards, turned left and cycled 2km and turned left again and cycled 3 km. Then, he turned right and cycled 5 km. How many kilometers will he have to cycle to reach home?

A] Square root of 53

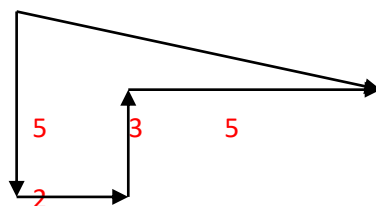
B] Square root of 54

C] Square root of 55

D] Square root of 56

Ans-A

Solution-





211. Pointing to a man, another man said, "He is the father of my daughter's son." How is the man in the photograph related to man?

- A] Brother                      B] Son-in-law                      C] Father                      D] Son

Ans-B

Solution- The man's daughter's son is man's grandchild and his father is man's son-in-law.

212. From the given choices, select the odd one out.

- A] EGK                      B] BEN                      C] CGP                      D] AEU

Ans-C

Solution- the difference b/n the no.s (alphabets) is like a and (a square) except CGP  
For example-  $G(7) - E(5) = 2$ ;  $K(11) - G(7) = 4 (2^2)$

213. A boy goes to see a movie and sees a man sitting to his left and found that the man was his relative. The man was the husband of the sister of his mother. How is the man related to the boy?

- A] Uncle                      B] Nephew                      C] Brother                      D] None of these

Ans-A

Solution- The boy's mother's sister is his aunt and husband of aunt is boy's uncle.

214. (i) X, Y, Z, P and R are sitting in a row in front of camera.

(ii) X is on the left of person sitting in the center, but is on the right of Y.

(iii) Z is on the right of P and R is on the right of Z.

(iv) R is the second person from the person sitting in the centre.

Who is between X and Z?

- A] Y                      B] R                      C] Data Inadequate                      D] None of these.

Ans-D

Solution- Arrangement – YXPZR

P sits between X and Z

215. (i) X, Y, Z, P and R are sitting in a row in front of camera.

(ii) X is on the left of person sitting in the center, but is on the right of Y.

(iii) Z is on the right of P and R is on the right of Z.

(iv) R is the second person from the person sitting in the centre.

Who among the following, is sitting in the corner?

- A] X                      B] P                      C] Y                      D] Z

Ans – C

Solution- Arrangement – YXPZR

Y and R sits on corners

216. (i) X, Y, Z, P and R are sitting in a row in front of camera.  
(ii) X is on the left of person sitting in the center, but is on the right of Y.  
(iii) Z is on the right of P and R is on the right of Z.  
(iv) R is the second person from the person sitting in the centre.

Which pair is X sitting between?

- A] P and Z                      B] P and R                      C] Y and P                      D] Y and Z

Ans-C

Solution- Arrangement – YXPZR

X sits between Y and P

217. A boy P is sitting in the south – east direction. From there, he travels one and a half sides clockwise. Where is P now?

- A] West                      B] North-east                      C] South-west                      D] East

Ans-A

Solution – one and half sides clockwise means  $135^\circ$  clockwise.

$135^\circ$  clockwise from south-east is West.

218. (i) X, Y, Z, P and R are sitting in a row in front of camera.  
(ii) X is on the left of person sitting in the center, but is on the right of Y.  
(iii) Z is on the right of P and R is on the right of Z.  
(iv) R is the second person from the person sitting in the centre.

Who is sitting in the centre?

- A] P                      B] X                      C] Y                      D] Z

Ans-A

Solution- Arrangement – YXPZR

P sits in the centre.

219. Problem question: Who is the son of R?

Statements: I) P is R's sister

II) Q is the son of P.

- A] Statement I alone is sufficient  
B] Statement II alone is sufficient  
C] Both statements put together are sufficient  
D] Both the statements even put together are not sufficient.

Ans-D

Solution – Both statements say Q is son of R's sister who is P so both statements are not sufficient to find who is the son of R.

220. Problem question: When is Rahul's birthday?

Statements: I) His birthday is before 25<sup>th</sup> and after 22<sup>nd</sup> November.

II) His birthday is after 23<sup>rd</sup> and before 26<sup>th</sup> November.

A] Statement I alone is sufficient

B] Statement II alone is sufficient

C] Both statements put together are sufficient

D] Both the statements even put together are not sufficient.

Ans-C

Solution-From first statement possible dates are 24 and 25 november while from statement 2 possible dates are 24 and 25 novemver and hence by both statements, we can conclude that the birthday is on 24<sup>th</sup> November.

221. 18, 19, 21, 24.....

A. 26

B. 25

C. 27

D. 28

Ans-D

Soln- Finding the difference of the series with 1(19-18), 2(21-19),3(24-21) the next difference should be 4

222. CEHL:MORV::WYBF:

A. GIKM

B. GILP

C. GJMP

D. GHJM

Ans- B

Soln- Finding the difference of the alphabetical order Place code for C is 3 and M is 13 the difference is 10. Similarly for all the difference is 10. Following the code difference GILP is the answer

223. From the given anagrams select the odd one out:

- A. LABLOTOF
- B. ONSEL
- C. CEKTRIC
- D. SNINET

Ans- B

Soln- all the letters are arranged that gives the names of sports but option B does not follow this pattern

224. Pointing to a man, a girl said, "He is the husband of the granddaughter of the mother of my mother". How is the man related to the girl?

- A. Cousin
- B. Brother in law
- C. Brother
- D. Father

Ans- B

Soln- According to question husband and brother in law can be the answer. From the options brother in law is the answer

225. A boy is facing north-west. He turns  $85^\circ$  in the anticlockwise direction and then  $50^\circ$  in the same direction. Which direction is he facing now?

- A. Southwest
- B. South east
- C. South
- D. North

Ans- B

Soln- According to the question there will be a rotational shift of  $180^\circ$  ( $45+85+50$ )

226. 79,64,26,15..

- A. 9
- B. 6
- C. 10
- D. 8

Ans-A

Soln- Multiply the two digits and add consecutive 1 then 2 and 3..  $7*9=63+1=64$  similarly  $2*6=12+3=15$  and  $1*5=5+4=9$

227. A lady is facing south east. She turns  $180^\circ$  in the clockwise direction, then  $360^\circ$  in the anticlockwise direction and another  $270^\circ$  in the clockwise direction. Which direction is she facing now?

- A. South
- B. Southwest
- C. West
- D. South east

Ans- B

Soln- On taking the rotational shift of the  $180^\circ$  she will face the opposite direction that is north west. After taking a turn of  $360^\circ$  it will come back to the original position. Then again  $270^\circ$  it will face south west.

228. Based on the statement what can be inferred from the situation:

The world production of sugar has been reported to be very scarce as compared to the global sales for four years. The demand for sugar is extremely high but the supply has been low for quite some time now. This could be because of the awful weather and also because some chief sugar growers have switched to high priced jute. The price of sugar has soared in response to the phenomena of the demand supply disparity. The price of sugar now equals the price of jute.

- A. Sugar production is profitable only when the price of sugar is as high as that of jute
- B. The sugar growers who had shifted to the higher priced jute, will now move back to producing sugar

- C. Demand for jute was higher than the demand for sugar, which made sugar growers shift their production
- D. If there continues to be a shortfall in the production of the sugar, the price of sugar may even exceed that of jute

Ans- D

Soln- From the given statements it can be inferred that the price of the sugar will increase if there will be such disparity.

**Directions 229 – 232:** (i) A, B, C, D and E are five friends in a class. They have their birth dates from January to May, each friend born in one of these months.

- (ii) Each one likes one particular item for his/her birthday out of rice, mutton, chicken, burger and pizza.
- (iii) The one who likes pizza is born in March.
- (iv) C does not like pizza but brings rice for D in April.
- (v) E, who is fond of burger, is born in the next month immediately after B.
- (vi) B does not like burger or mutton.

229. What is the choice of C?

- A. Pizza
- B. Rice
- C. Mutton
- D. Chicken

Ans- C

230. Which one of the following is true for B?

- A. Chicken, January
- B. Chicken, February
- C. Pizza, January
- D. Pizza, February

Ans- A

231. What is the choice of A?

- A. Burger
- B. Pizza
- C. Chicken
- D. Rice

Ans - B

232. In which month was E born?

- A. January
- B. February
- C. March
- D. April

Ans- B

Solution for the above questions 229-232:

January   Chicken   B

February   Burger   E

March   Pizza   A

April                Rice   D

May   Mutton   C

233. Two friends X and Y start a race. X runs 12 km towards east and then 18 km towards south. Y runs 2 km towards south and then 20km towards south-east. How far they are from each other now?

- A. 0km
- B. 1km
- C. 2km
- D. 6km

Ans- A

Soln- On applying Pythagoras theorem we will get a pair of 16 12 and 20 which means that they are at the same point.

234. Choose the answer option that arranges the given set of words in the most meaningful order. The words when put in order should make logical sense according to size, quality, quantity, occurrence of events, value, appearance, nature, process etc.

1. Earn
  2. Shopping
  3. Boy
  4. Money
  5. Job
- A. 3,1,5,4,2
  - B. 3,4,5,1,2
  - C. 3,5,1,4,2
  - D. 2,3,5,1,4

Ans- C

Soln- According to the given terms C gives a perfect answer

235. Problem question

Is B the brother of A?

Statements:

(i) A is the brother of C.

(ii) C is the sister of B.

- A. Statement i alone is sufficient
- B. Statement ii is sufficient
- C. Both the statements put together are sufficient
- D. Both the Statements even put together are not sufficient
- E. Either of the statement is sufficient to answer

Ans-D

Soln- Either of the statements does not specify the gender of B

236. From the given choices select the odd one out.

- A. PRQ
- B. ACB



- C. TUV
- D. QSR

Ans – C

Apart from option C, all other follows the same pattern, i.e.

First, first+2, second – 1.

237. 0.28, 0.56, 1.68, ...

- A. 2.24
- B. 3.36
- C. 5.04
- D. 6.72

Ans – D

$$0.28 \times 2 = 0.56$$

$$0.56 \times 3 = 1.68$$

$$1.68 \times 4 = 6.72$$

238. 4, 12, 6, 18, 36, 30, ...

- A. 54
- B. 90
- C. 60
- D. 56

Ans – C

There are two series: 4, 6, 36;

$$4 \times 1.5 = 6$$

$$6 \times (1.5 \times 4) = 36$$

$$36 \times (6 \times 4) = 60$$

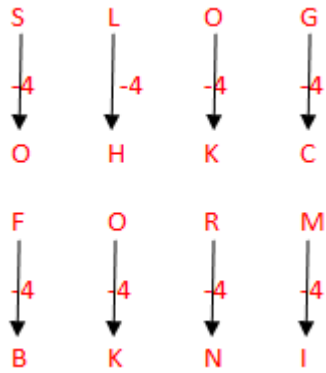
Other series: 12, 18, 30;

$$6 \times 2 = 12, 6 \times 3 = 18, 6 \times 5 = 30, 6 \times 7 = 42 \dots\dots$$

239. If SLOG is coded as OHKC, then what will FORM be coded as?

- A. CKNI
- B. BJNI
- C. BKNI
- D. CJNI

Ans – C



240. Five cars are parked in a row eastward. E is parked to the left of A, B and C. N, C and A are parked to the left of D. C is parked between A and B. If B is parked from the left, how far is A parked from the right?

- A. Fourth
- B. Third
- C. Second
- D. First

241. Introducing a woman, a man said, "She is the only daughter-in-law of my mother." How is the woman related to the man?

- A. Cousin
- B. Sister
- C. Daughter
- D. Wife

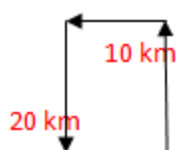
Ans – D

The woman is daughter-in-law of man's mother. The woman is either man's wife or sister-in-law; but from the options, we can rule out the sister-in-law. So, the woman is man's wife.

242. Sunil drove his car in the Northern direction for some distance. He then turned left for 10km. he again turned left and drove for 20km. He found himself 10km West of his starting point. Initially, how far did he drive his car in the Northern direction?

- A. 10Km
- B. 20Km
- C. 30Km
- D. 15Km

Ans – B



The man is 10 km west, so the start and end point must be in straight line. Initially, man covered 20 km northwards.

243. From the given anagrams select the odd one out

- A. OLIVE
- B. APPLE
- C. LITCHI
- D. EGG

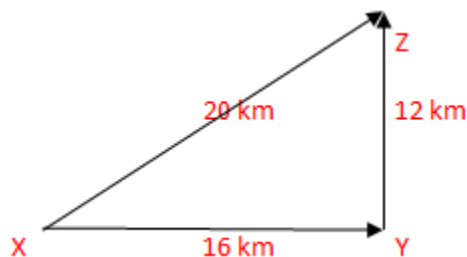
Ans – D

Apart from EGG, all other are fruits.

244. Two friends A and B start walking from a common point. A goes 20Kms towards north-east whereas B goes 16Kms towards East and then 12Kms towards North. How far are A and B from each other?

- A. 14Kms
- B. They are at the same place at the finishing point
- C. 15Kms
- D. Data is insufficient

Ans – B



XZ is covered by A; XYZ is covered by B.

A covered 20 km. B covered  $\sqrt{12^2 + 16^2} = 20$  km.

They both are at the same point.

245. Based on the given passage find out which of the statement can be inferred from the passage.

European cars have traditionally been smaller and more fuel-efficient than their giant American cousins, but current policy explicitly stresses eco-friendliness. For example, recent British legislation has linked taxation to CO<sub>2</sub> emissions with the lowest tax rate of 15% on the list price reserved for cars emitting less than 165gms/Km and rising by one percent for each 5gm increase in CO<sub>2</sub> levels.

- A. The British are unconcerned about the environment and rules have to be imposed upon them for maintenance of a clean environment.
- B. The lesser the list price of a car, the greater is its fuel efficiency and lesser the tax on it.
- C. The more fuel efficient a vehicle is, the more ecofriendly it will be.
- D. Fuel efficiency does not necessarily correlate with eco-friendliness.

Ans – A

From the passage, conclusion A can be inferred.

**Question 246-249:** Passage

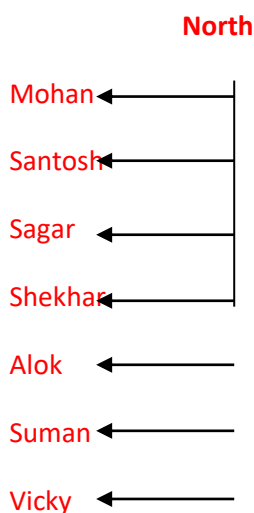
- 1) Suman, Vicky, Santosh, Mohan, Alok, Sagar, Shekhar are standing on a wall and all of them are facing west.
- 2) Suman is on the immediate left of Alok
- 3) Mohan is at an extreme end and has Santosh is his neighbor.
- 4) Alok is standing third from the South end.
- 5) Sagar is between Santosh and Shekhar.

246. Who is standing to the left of Santosh?

- A. Mohan
- B. Sagar
- C. Shekhar
- D. Vicky

Ans – B

Arrangement



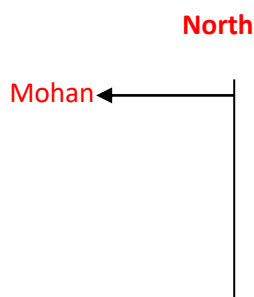
Sagar is to the left of Santosh.

247. Which of the following pairs of people are standing at extreme ends?

- A. Mohan and Vicky
- B. Mohan and Suman
- C. Vicky and Suman
- D. Mohan and Alok

Ans – A

Arrangement



Santosh ←

Sagar ←

Shekhar ←

Alok ←

Suman ←

Vicky ←

Mohan and Vicky are at extreme ends.

248. Name the person who should change his position with Alok such that he gets the second place from the North end.

- A. Shekhar
- B. Vicky
- C. Sagar
- D. Santosh

Ans – D

Arrangement

North

Mohan ←

Santosh ←

Sagar ←

Shekhar ←

Alok ←

Suman ←

Vicky ←

Santosh is second from North, so Alok should change positions with Santosh

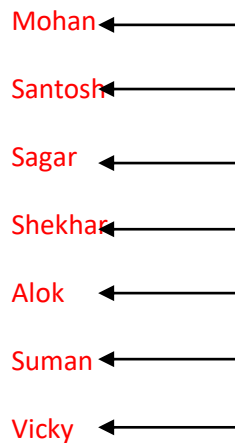
249. Which of the following pairs of people is Shekhar immediately standing in between?

- A. Suman and Sagar
- B. Alok and Sagar
- C. Suman and Santosh
- D. None of the above

Ans – B

Arrangement

North



Shekhar is between Sagar and Alok.

#### Question 250-251 Passage

The following are the conditions of a university for providing scholarship to candidates.

- 1) The candidate should have passed the Common Entrance Test with at least 70% marks or should have secured 80% or above in the college exam.
- 2) The candidate's age should not exceed 25 years and should not be less than 20 years as on 1.12.2012.
- 3) The candidate should belong to a family with income level less than Rs. 5 Lakhs per annum.
- 4) The candidate should be able to converse in English and a foreign language.
- 5) The candidate should be willing to deposit Rs. 1000 as a confirmation charge or sign a bond of participating in a research programme for 2 years.

However

- a) Candidate who fulfill all conditions except (4) should be referred to the Vice-Chancellor of the university
- b) Candidates who fulfill all conditions except (5) should be referred to the Chairman of the respective college that he/she has applied to.

**Should the given candidate be granted scholarship? (The case is presented as on 1.12.2012)**

250. Manisha has secured 79% marks in the college exam and has secured 75% in the Common Entrance Test. She is fluent in English and German. Her date of birth is 15.01.1984. She is ready to pay Rs.1000 as a confirmation charge. Her family income is Rs. 4Lakhs per annum.

- A. Candidate shouldnot be granted scholarship
- B. Candidate should be granted scholarship
- C. Candidate should be referred to the Vice-Chancellor of the university
- D. Candidate should be referred to the Chairman of the college that he/she has applied to

Ans – A

Age of candidate is more than 25. So, the candidate cannot be granted scholarship.

251. Ananya has secured 69% marks in the college exam. Her date of birth is 16.02.1989. she is ready to sign a bond of participating in a research programme for 2 years. Her family income is Rs.5 Lakhs per annum. She is fluent in English and French.

- A. Candidate should not be granted scholarship
- B. Candidate should be granted scholarship
- C. Candidate should be referred to the Vice-Chancellor of the university
- D. Candidate should be referred to the Chairman of the college that he/she has applied to

Ans – A

The candidate did not score the minimum required marks, so he/she should not be granted scholarship.

252. Choose the answer option that arranges the given set of words in the most meaningful order. The words when put in order should make logical sense according to size, quality, quantity, occurrence of events, value, appearance, nature, process etc.

- 1) Lion
- 2) Dog
- 3) Duck
- 4) Insect
- 5) Deer
- A. 4,2,3,5,1
- B. 4,2,3,1,5
- C. 4,3,2,5,1
- D. 4,3,2,1,5

Ans – D

The entities are arranged according to the order of their running speed.

4. Insect, 3. Duck, 2. Dog, 1. Lion, 5. Deer

253. The question consists of a problem question followed by two statements I and II. Find out if the information given in the statement(s) is sufficient in finding the solution to the problem.

**Problem question:** Find P, Q, and R.

**Statements:**

- I) P, Q, R are three consecutive integers.
- II) The average of P, Q and R is 34.
- A] Statement I alone is sufficient
- B] Statement II alone is sufficient
- C] Both statements put together are sufficient
- D] Both statements even put together is not sufficient

Ans – C

Apart from option C, all other follows the same pattern, i.e.

First, first+2, second – 1.

254. The question consists of a problem question followed by two statements I and II. Find out if the information given in the statement(s) is sufficient in finding the solution to the problem.

**Problem question:** What is the monthly salary of my father?

**Statements:**

- I) My father's and mother's salaries are in the ratio 5:2 respectively.
- II) My mother's salary is 40% of that of my father's salary.

- A] Statement I alone is sufficient  
 B] Statement II alone is sufficient  
 C] Both statements put together are sufficient  
 D] Both statements even put together is not sufficient

Ans – D

From statement 1 mother and father's salaries are in ratio 5:2 but we cannot find salary from just ratio

From statement 2 if father's salary is 100x then mother's salary is 40x again from this we cannot calculate exact salary of mother.

Even if we take both statements together we cannot find mother's salary

255. Choose the answer option that arranges the given set of words in the 'most' meaningful order. The words when put in order should make logical sense according to size, quality, quantity, occurrence of events, value, appearance, nature, process etc.

- |                  |                  |                  |                  |              |
|------------------|------------------|------------------|------------------|--------------|
| 1. File          | 2. Start         | 3. Computer      | 4. Save          | 5. MS Office |
| A] 2, 3, 5, 1, 4 | B] 3, 2, 5, 1, 4 | C] 3, 2, 1, 5, 4 | D] 2, 3, 1, 5, 4 |              |

Ans – B

Computer

Start

MS office

File

Save

256. The given signs signify something and on that basis, assume the given statements to be true and find which of the two conclusions I and II is/are definitely true.

$P + Q - R$  means P and Q are greater than R.

$P * Q$  means P and Q are equal

$P - Q$  means P is greater than Q

$P / Q + R$  means R is greater than P and Q.

$P \% Q$  means Q is greater than P.

Statements:  $(B \% (A * F)) + (B - (C / D + E)), C - D$

Conclusions: (I)  $(B - C) \% A$

(II)  $B - ((E \% D) - A)$

A] Only I is true

B] Only II is true

C] Both I and II are not true

D] Both I and II are true

Ans – A

$(B < (A = F)) \text{ AND } (B > (E > C \text{ AND } D)), C > D$

$B < A = F \text{ AND } B > E > C > D$

$D < C < E < B < A = F$

Conclusions: (I)  $(B > C) < A$

$B > C < A$

Which is true as C is less than both B and A

(II)  $B > ((E < D) > A)$

$B > E < D > A$

E is greater than D but in conclusion E is less than D which is wrong

Hence only I is true



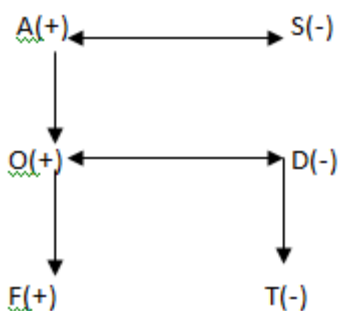
**Directions 257 – 260:** A, S, O, D, F and T are members of a family consisting of 3 men and 3 women, among whom there are two married couples. We also know that:

- (i) O is the son of S.
- (ii) T is the daughter of D.
- (iii) F is the grandson of A.
- (iv) D is the mother of a girl and a boy.
- (v) S is not the father of O.
- (vi) All the relations mentioned above are between these six persons only.

257. T's grandmother is

- A] D                      B] F's mother                      C] A                      D] S

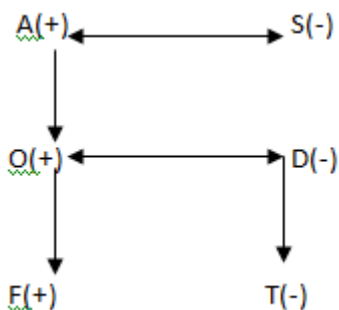
**Ans – D**



258. O's father is

- A] F                      B] D's father                      C] S                      D] A

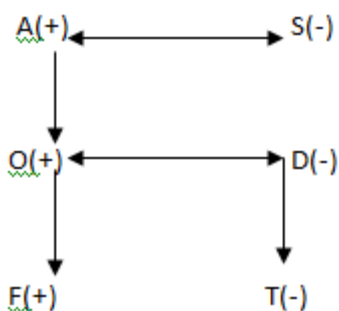
**Ans – D**



259. D's husband is

- A] O                      B] F                      C] A                      D] None of these

**Ans – A**



260. A's wife is

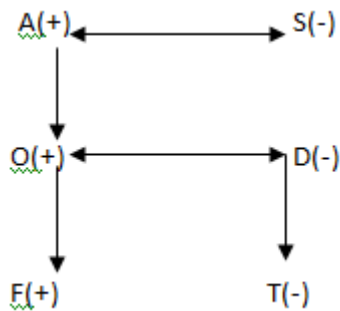
A] D

B] T

C] S

D] None of these

Ans – C



261. Based on the given passage, find out which of the following statements can be inferred from the passage.

With new seasons of reality shows being telecast every month, the viewership of these shows has increased. Viewership and participation in reality TV shows is mostly induced by two common motivators: fame and money. The shows transform common people who are otherwise obscure figures to household names. A few successfully maneuver their small stint with fame to become celebrities. Winners of reality TV shows reap huge financial rewards for acts including eating large insects, marrying someone they barely know and revealing their innermost thoughts to millions of people.

A] Reality shows owe their popularity to the fact that all their participants become rich and famous.

B] There are more reality shows on TV than regular shows as viewership of reality shows is higher.

C] The participation money in reality shows is linked to the bizarreness of the acts on the show.

D] Reality TV is one of the best things that has happened to television networks in a long time.

E] The main attraction behind viewership of reality shows is to see unknown people become rich and famous.

Ans - E

262. Based on the given passage, find out which of the following statements can be inferred from the passage.

Of all the wellness activities customary in India, Artistic yoga is the new kid in town. It has successfully earned a pat on the back from whosoever has lent an ear to the latest advancements. Artistic yoga combines the suaveness of yoga and the frenzy of modern cardio-vascular exercises. The technique involves performance of various aasana and pranayams followed by walking on treadmill, stair climbing, cycling and so on. The activities are performed in a cyclic order and the aasana or pranayam that is done in the beginning is repeated in the end. This helps an individual at the physical level as well as the mental and spiritual level, thus helping bring about a complete transformation of body, mind and soul.

A] Artistic yoga helps in overall development of those who practice it.

B] Artistic yoga has been adopted by modern people since it is in fashion these days.

C] All the activities performed at the beginning of artistic yoga are also repeated in the end.

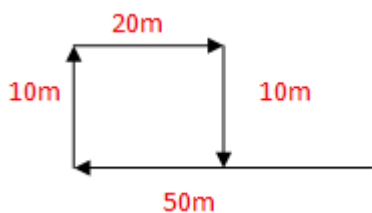
D] Since it combines yoga and exercise, artistic yoga will replace other fitness and wellness programmes.

Ans - B

263. Deepak walks 50 meters towards west, turns right again to walk 20 meters. At last he turns right and walks 10 meters. How far and in which direction is he from the starting point?

- A] 30 meters, East      B] 20 meters, West      C] 30 meters, West      D] 70 meters, East

Ans - C



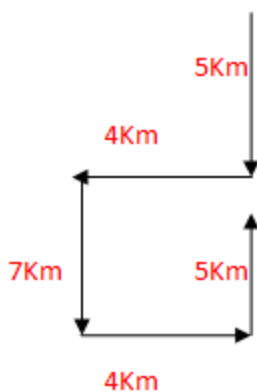
Hence remaining distance is 30m in west of starting point

264. Ravi leaves for his office in his car. He drives 5 km towards South and then 4 km towards West. He then turns South and covers 7 km. Further on, he drives 4 km towards East; then he moves towards North and covers 5 km. How far and in which direction is he from the starting point?

- A] 5 km South      B] 5 km North      C] 7 km North      D] 7 km South

Ans - C

7Km North



265. Find the next number in the series:

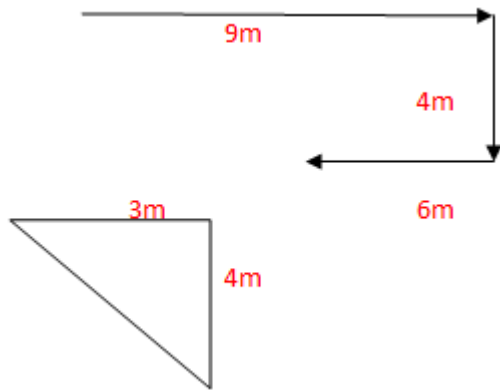
8, 12, 24, 60, .....

- A] 120      B] 108      C] 142      D] 100

266. Suneeta moves a distance of 9 meters towards East. She then moves towards South and travels a distance of 4 meters. From here, she moves a distance of 6 meters towards West. How far is the starting point from her final position?

- A] 3 meters      B] 4 meters      C] 5 meters      D] 7 meters

Ans - C



Hence by Pythagoras theorem distance from starting point is  $(3^2+4^2)^{1/2}$

$$(9+16)^{1/2}$$

$$25^{1/2}$$

5m

267. Aaron was riding his bike. He rode 50 meters south and took a left turn to ride another 70 meters. After that he took another left turn and rode 50 meters again and finally he took a right turn to ride 60 meters more. How far and in which direction is he from the starting point?

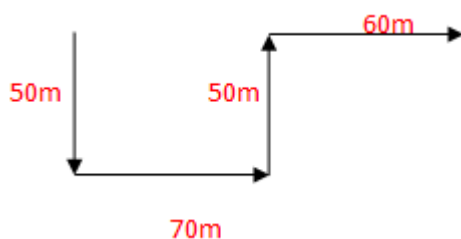
A] 120 meters, West

B] 110 meters, East

C] 110 meters, West

D] 130 meters, East

Ans – D



Hence distance from starting point is  $70+60=130$  m in East

268. If DEED is coded as 4554, then DICE is coded as:

A] 4935

B] 4839

C] 3824

D] 3935

Ans – A

Code for DEED is

D 4

E 5

E 5

D 4

As here numeric value is taken for alphabet so code for DICE is

D 4

I 9

C 3

E 5

Hence code is 4935

269. Select the right option from the given alternatives.

AIE : FNJ :: KSO : ?

A] PWU

B] PXT

C] LYT

D] QXU

Ans – B

AIE : FNJ :: KSO : ?

A 1

I 9

E 5

A E I

E+1=F

F 6

N 14

J 10

K 11

S 19

O 15

O+1=P similarly

P 16

X 24

T 20

PXT

270. Select the right option from the given alternatives.

24 : 50 :: 102 : ?

A] 204

B] 206

C] 152

D] 156

Ans – B

24 : 50 :: 102 : ?

$$\frac{24}{(24+1)^2}$$

SO

$$\frac{102}{(102+1)^2}$$

$$103^2 = 206$$

271. Find the next number in the series:

2, 5, 26, .....

A] 53

B] 677

C] 676

D] 52

Ans – B

2, 5, 26, .....

$$2^2 + 1 = 5$$

$$5^2 + 1 = 26$$

$$26^2 + 1 = 677$$