Directions (1-5): Study the following information carefully and answer the given questions.

Eight friends E, F, H, K, L, M, P and Q, specialist in different management fields , i.e. Energy, Oil & Gas, Rural, Production, Industrial, Quality, Hotel and Disaster (but not necessarily in the same order), are sitting around a circular table, facing the centre. K who is a Quality manager sits third to the right of Q.

The managers in the field of Oil & Gas and Disaster are immediate neighbours of each other and neither of them is an immediate neighbor of either Q or K. The managers in the field of Hotel and Energy are immediate neighbors of each other. Neither Q nor P is the manager in the field of Energy. The one who is the manager in the field of Oil & Gas sits second to the right of L, who is an Industrial manager. M who is a manager in the field of Hotel is not an immediate neighbor of the Quality manager. Only H sits between those two who are managers in the field of Oil & Gas and Production. E sits third to the right of the one who is the manager in the field of Energy.

1. Which of the following pairs represents the immediate neighbours of the Production manager?
   (a) Oil & Gas manager - Rural manager   (b) Energy manager - Oil & Gas manager
   (c) Hotel manager - Rural manager   (d) Industrial manager - Disaster manager
   (e) None of these

2. What is the position of the Rural manager with respect to the Energy manager?
   (a) Third to the left   (b) Second to the left
   (c) Immediately to the right   (d) Fourth to the right
   (e) Second to the right

3. Who sits third to the right of the Oil & Gas manager?
   (a)The Quality manager   (b) F
   (c)The Hotel manager   (d) The Industrial manager
   (e) None of these

4. Which of the following is true regarding H?
   (a) H is a Production manager
   (b) H is an immediate neighbor of the Energy manager
   (c) H sits between F and L
   (d) H is an immediate neighbor of the Oil & Gas manager
   (e) None of these

5. How many people sit between the Quality manager and 'P' when counted in anticlockwise direction from the Quality manager?
   (a) None   (b) One   (c) Two
   (d) Three   (e) Four

Directions (6-10): Study the following information carefully and answer the given questions.

Twelve people are sitting in two parallel rows containing six people each, in such a way that there is an equal distance between adjacent persons. In row 1, E, F, G, H, I and K are seated and all of them are facing South, and in row 2, L, M, N, O, P and R are sitting and all of them are facing North. Therefore, in the given seating arrangement each member seated in a row faces another member of the other row. L sits third to right of O. Neither L nor O sits at extreme ends. I faces O. K does not face L and K does not sit at any of the extreme ends. K is not an immediate neighbor of I. M sits at one of the extreme ends. Only two people sit between M and P. P does not face K. Two persons sit between G and F. G is not an immediate neighbor of I. N does not face K. E is not an immediate neighbor of G.

6. Who amongst the following sit at extreme ends of the rows?
   (a) M, P   (b) H, I
   (c) E, G   (d) M, R   (e) None of these

7. How many persons are seated between I and H?
   (a) One   (b) Two
   (c) Three   (d) Four   (e) None

8. E is related to K in the same way as N is related to R. Which of the following is P related to, following the same pattern?
   (a) M   (b) O
   (c) N   (d) L   (e) None of these

9. Which of the following is true regarding R?

(a) R sits second to right of N

(b) R is not an immediate neighbor of L

(c) R sits third to left of O

(d) R sits at one of the extreme ends of the line

(e) R faces K

10. Who amongst the following sits exactly between E and F?

(a) G   (b) K

(c) H   (d) I   (e) Cannot be determined

Directions (Q. 11 – 15): In each question below are four statements followed by four conclusions numbered I, II, III and IV. You have to take the four given statements to be true even if they seem to be at variance with commonly known facts and then decide which of the given conclusions logically follows from the four gives statements disregarding commonly known facts. Then decide which of the answers (a), (b), (c), (d) and (e) is correct and indicate it on the answer sheet.

11. Statements

All fans are lights   Some lights are tubes

All tubes are coolers   Some coolers are wires

Conclusions:

I. Some coolers are lights   II. Some coolers are fans

III. Some wires are lights   IV Some lights are fans

(a) Only I and II follow   (b) Only I, III and IV follow

(c) Only I and IV follow   (d) Only II, III and IV follow

(e) None of these

12. Statements

Some apes are ants   Some ants are monkeys

All monkeys are bears   All bears are bats

Conclusions:

I. Some bears are apes   II. Some bats are ants

III. Some bears are ants   IV. Some bats are monkeys

(a) Only I, II and III follow   (b) Only II, III and IV follow

(c) Only I, III and IV follow   (d) All follow

(e) None of these

13. Statements

All colours are darks   All darks are whites

All whites are pinks   All pinks are greys

Conclusions:

I. Some greys are whites   II. All darks are pinks

III. Some pinks are colours   IV. All colours are greys

(a) Only I ,II and III follow   (b) Only I, II and IV follow

(c) Only II, III and IV follow   (d) All follow

(e) None of these

14. Statements

Some sweets are samosas   Some samosas are rasgullas

Some rasgullas are kulfis   Some kulfis are icecreams

Conclusions

I. Some icecreams are samosas   II. No icecreams are samosas

III. Some kulfis are sweets   IV No kulfis are sweets

(a) Only either I or II follows   (b) Only either III or IV follows

(c) Only either I or II and either III or IV follow

(d) Only I and III follow   (e) None of these

15. Statements

All apples are bananas   No bananas are coconuts

Some coconuts are guavas   All guavas are lemons

Conclusions:

I. Some lemons are coconuts   II. Some bananas are apples

III. Some guavas are bananas   IV Some coconuts are apples

(a) None follows   (b) Only I & II follow

(c) Only II follows   (d) Only III follows

(e) Only IV follows

Directions (16 – 20): Read the following passage and answer the given questions according to the passage:

Even as the reverberations of the violence inflicted on a group of Dalit men by "cow protection" vigilantes near the small Gujarat town of Una are felt in Parliament, the protests continue to spread across the State. Large parts of Saurashtra, the region rocked most by agitations led by Dalit groups, were practically shut down on Wednesday after a bandh call, and different modes of protest have been adopted. It is a protest that appears to have grown organically in response to the violence the men bore on July 11, a video of which had been posted online by one of the assailants. They were stripped, flogged, bound and paraded on accusations that they had killed a cow for skinning. It is a videographic record of both random and systemic cruelty. The various modes of protest must be seen as a cry for redressal and systemic social change all around. Some have protested by attempting suicide, and one died after consuming a poisonous substance. Certain protesters have taken to dumping animal carcasses near a district official's office. There has been mobilization on the streets across Gujarat, with one policeman succumbing to injuries after stone-pelting by protesters. There are plans for more State-wide protests. This is a rage that needs a comprehensive and holistic response rather than a confrontationist approach relying heavily on firefighting.

16. What should be the *courses of action* taken by the administration for the victims regarding the case mentioned in the above passage?
(i) The victims of the Una assault must be reassured by the authorities that their assailants are punished.
(ii) The administration must insure their safety, so that reprisals are not visited upon them.
(iii) As per the provisions of Atrocities Act, district administration should have to declare a compensation amount to the victims.
(iv) The culprits should be charged with attempted murder and should be jailed at least ten years.
(a) All of the above   (b) All except (iii)
(c) All except (iv)   (d) All except (i)   (e) All except (ii)

17. Which of the following *cannot be postulated* in contrast with the given passage?
(i) The Dalit uprising has become a rational issue now and if it is not tackled properly, it could cause a severe damage to the Gujarat governance body.
(ii) Some of the alleged attackers on the Dalits were arrested.
(iii) Dalit family was allegedly beaten up by all the people of Gau Rakshas of Una town.
(a) None of the above   (b) All except (i)
(c) All except (ii)   (d) All except (iii)   (e) All of the above

18. Should Dalits should be beaten for skinning dead cows?
Which of the following arguments holds strong in contrast with the given passage?
(i) Yes, violence and intimidation in the name of the cow (or beef) will not be tolerated.
(ii) No, there are some authorities and departments to whom such powers are given.
(a) Only (i)   (b) Only (ii)
(c) Either (i) or (ii)   (d) Neither (i) nor (ii)   (e) Both (i) and (ii)

19. Which of the following is/are *not in line* in contrast with the given passage?
(i) These things are very common in a country of huge diversity and least discipline.
(ii) This whole incident has been stage-managed to discredit the government in power and the forthcoming UP elections.
(iii) The vandalism in the name of Gou Raksha in Gujarat is an utmost distressful and painful event.
(a) All of the above   (b) Only (iii)
(c) Only (ii)   (d) Both (b) and (c)
(e) Only (i) and (ii)

20. What may be the *possible fallouts* of this dangerous vigilantism in contrast with the given passage?
(i) The various modes of protests will cause a great loss to social and economic conditions in the state.
(ii) The center will pass a bill in the current session that those who indulge in atrocities against the Dalits will be suffer life imprisonment.
(a) Only (i)   (b) Only (ii)
(c) Either (i) or (ii)   (d) Neither (i) nor (ii)
(e) Both (i) and (ii)

Directions (21-25): Study the following information carefully and answer the given questions.

Six friends Ilhaam, Iliyas, Imraan, Ikshit, Iswar and Irfan work in different companies, namely Totus, Epson, Haier, Philips, Unisys and Siragon. Each one reads a different newspapers, i.e., The Nikkei, The Sun, Metro Express, Global Times, Information Times and The Daily Mail, though not necessarily in the order.

The one who is reading The Daily Mail works in Philips and the one who is reading The Sun works in Totus. Iswar does not work in Haier or Unisys. Ilhaam, who works in Epson, reads Metro Express. Irfan does not work in Unisys and the one who works in Haier does not read Global Times. Iliyas Works in Siragon.

Neither Irfan nor Ikshit works in Philips. The one who works in Unisys reads neither Global Times nor Information Times. Imraan works in Totus.

21. The man who works in Haier, reads
(a) Cannot be determined   (b) The Daily Mail   (c) Global Times
(d) The Nikkei   (e) None of these

22. Which of the following 'newspaper-company-person' combination is correct?
(a) Irfan-Haier-Information Times   (b) Ikshit-Totus-The Nikkei
(c) Iliyas-Siragon-Metro Express   (d) Iswar-Philips-The Sun
(e) None of the above

23. Which of the following is true?
(a) Iswar works in Unisys   (b) Ikshit works in Totus
(c) Iliyas reads Global Times   (d) Ilhaam reads The Sun
(e) None of the above

24. Which of the following sequences of companies represents Irfan, Iliyas, Imraan, Ilhaam, Ikshit and Iswar in the same order?
(a) Haier, Philips, Epson, Totus, Unisys, Siragon
(b) Haier, Siragon, Epson, Totus, Unisys, Philips
(c) Siragon, Haier, Totus, Epson, Philips, Unisys
(d) Haier, Siragon, Epson, Philips, Totus, Unisys
(e) None of the above

25. Who reads The Nikkei?
(a) Iswar   (b) Ikshit   (c) Iliyas
(d) Can't be determined   (e) None of these

Directions (26-30): In each of the following problems, there is one question and three statements I, II and III given below the question. You have to decide whether the data given in the statements is sufficient to answer the question. Read all the statements carefully and find which of the statements is/are sufficient to answer the given question. Choose the correct alternative in each question.

26. What is Suman's rank from the top in a class of forty students?
I. Suman is 3 ranks below Deepak from the top.
II. Deepak's rank from the bottom is 23.
III. Suman is 3 ranks above Deepak from the bottom.
(a) Any two of the three   (b) Only I and II
(c) Only II and III   (d) All I, II and III
(e) Only II and either I or III

27. How is 'DATE' written in the code language?
I. DEAR is written as $#@? in that code.
II. TREAT is written as %?#@% in that code.
III. TEAR is written as %#@? in that code,
(a) Only I and II   (b) Only II and III
(c) All I, II and III   (d) Only I and either II or III
(e) None of these

28. In which year was Sanjay born?
I. Sanjay is six years older than Gopal.
II. Gopal's brother was born in 1982.
III. Sanjay's brother is two years younger than Gopal's brother who was eight years younger than Gopal.
(a) Only I and II   (b) Only II and III
(c) Only I and III   (d) All I, II and III
(e) None of these

29. Who among Siddhartha, Nikunj, Vipul and Mukul is the youngest?
I. Vipul is younger than Mukul but older than Siddhartha and Nikunj.
II. Mukul is the oldest.
III. Siddhartha is older than Nikunj.
(a) Only I   (b) Only I and II
(c) Only II and III   (d) Only I and III   (e) None of these

30. How many sons does X have?

I. Q and U are brothers of T.

II. R is sister of P and U.

III. R and T are daughters of X.

(a) Only I and II   (b) Only II and III

(c) All I, II and HI   (d) I, II and III together are not sufficient

(e) None of these

Directions (31-35): A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.

Input : safe 63 big 51 88 69 danger look 81 real

Step I : big safe 63 51 69 danger look 81 real 88

Step II : danger big safe 63 51 69 look real 88 81

Step III : look danger big safe 63 51 real 88 81 69

Step IV : real look danger big safe 51 88 81 69 63

Step V : safe real look danger big 88 81 69 63 51

And step V is the last step of the arrangement. As per the above rule followed in the above steps, find out in each of the following questions the appropriate step for the input given below;

Input : 41 do practice 21 49 more can little 29 aries 53 44

31. How many steps would be needed to complete the arrangement?

(a) IV   (b) V   (c) VI

(d) VII   (e) None of these

32. Which Step number would be the following output?

little do can aries practice 21 more 29 53 49 44 41

(a) III   (b) II   (c) VII

(d) IV   (e) There will be no such step

33. Which of the following would be the step I?

(a) aries 41 do can practice 21 more little 49 29 53 44

(b) aries can 21 practice do 41 more little 29 53 44 49

(c) aries 41 do practice 21 44 more can little 49 53 29

(d) aries 41 do practice 44 21 can more little 29 49 53

(e) None of these

34. In step V, which of the following word/number would be on the 6th position (from the right)?

(a) 44   (b) 21   (c) 49

(d) practice   (e) aries

35. Which of the following would be the final arrangement?

(a) practice more little do can aries 53 44 49 41 29 21

(b) practice more little do can aries 53 21 44 41 29 49

(c) practice more little do can aries 53 49 44 21 29 41

(d) practice more little do can aries 53 49 44 41 29 21

(e) None of these

Directions (36-40): Eight friends Ritesh, Akshay, Deepak, Shailesh, Vipul, Robin, Vimlesh and Neeraj like different movies – Mirzya, Shivaay, Befikre, Dangal, Kaabil, Rangoon, Phillauri and Banjo. All of them are seated around a square table (two on each side) facing the center.

Deepak sits third to the right of Akshay. Akshay likes Befikre. Vimlesh is sitting second to the left of Robin. Robin is not an immediate neighbour of Deepak or Akshay. The one who likes Mirzya is an immediate neighbour of Robin. Three people sit between Akshay and the person who likes Rangoon.

Akshay, Deepak and also their immediate neighbours do not like Dangal. Only one person sits between the person who likes Dangal and Shailesh. The persons who like Kaabil and Banjo are immediate neighbours of each other. Deepak likes neither Banjo nor Kaabil. Only one person sits between Ritesh and the person who likes Shivaay. Ritesh does not like Dangal or Kaabil. Vipul does not like Dangal.

36. Which of the following is true regarding Vimlesh?

(a) Vimlesh Likes Shivaay

(b) Neeraj and Shailesh are immediate neighbours of Vimlesh

(c) One person sits between Vimlesh and the person who likes Banjo

(d) Vimlesh sits second to the right of Ritesh

(e) None of these

37. Who amongst the following does like the movie Kaabil?

(a) Deepak   (b) Vimlesh   (c) Shailesh

(d) Vipul   (e) cannot be determined

38. How many persons sit between Neeraj and the person who likes Banjo, when counted from the left hand side of the person who likes Banjo?

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

(d) Three   (e) Four

39. Which of the following is true?

(a) Only one person is sitting between the person who likes Banjo and Befikre

(b) Neeraj likes Dangal

(c) The person who likes Kaabil is an immediate neighbour of Akshay

(d) One person sits between Akshay and the person who likes Dangal

(e) None is true

40. Who amongst the following represent immediate neighbours of Shailesh?

(a) Ritesh and Vipul

(b) Robin and the person who likes Dangal

(c) Akshay and the person who likes Phillauri

(d) Robin and Vimlesh

(e) Ritesh and Neeraj

Directions (41-45): In the following questions, the symbols \$, %, @, © and ✶ are used with the following meaning as illustrated below.

'P%Q' means 'P is neither greater than nor smaller than Q'

'P\$Q' means 'P is neither smaller than nor equal to Q'

'P©Q' means 'P is neither greater than nor equal to Q'

'P✶Q' means 'P is not greater then Q'

'P@Q' means 'P is not smaller than Q'

Now in each of the following questions assuming the given statements to be true, find which of the three conclusions I, II and III given below them is/are definitely true and given your answer accordingly.

41. Statements: V©K, K@B, B\$M

Conclusions:

I. V©B   **II.** M©K   **III.** M©V

(a) None is true   (b) Only I is true   (c) Only II is true

(d) Only III is true   (e) Only II and III are true

42. Statements: D✶R, R%F, F\$T

Conclusions:

I. F%D   **II.** F\$D   **III.** T©R

(a) Only I is true   (b) Only II is true   (c) Only III is true

(d) Only either I or II is true (e) Only either I or II and III are true

43. Statements: N@D, D✶K, K\$A

Conclusions:

I. K@N   **II.** A©D   **III.** N\$A

(a) None is true   (b) Only I is true   (c) I and II are true

(d) I and III are true   (e) All are true

44. Statements : K@T, T\$N, N©R

Conclusions:

I. R\$K   **II.** N✶K   **III.** K\$N

(a) None of true   (b) Only I is true   (c) Only II is true

(d) Only III is true   (e) All are true.

45. Statements: W%K, K©F, D\$F

Conclusions:

I. D\$K   **II.** D\$W   **III.** F@W

(a) Only I and III are true   (b) Only I and II are true   (c) Only II and III are true

(d) All, I, II and III are true   (e) None of above

Directions (46-50): In each question below is given a statement followed by two conclusions numbered I and II. You have to assume everything in the statement to be true, then consider the two conclusions together and decide which of them logically follows beyond a reasonable doubt from the information given in the statement.

Give answer :

(a) if only conclusion I follows

(b) if only conclusion II follows

(c) If either I or II follows

(d) if neither I nor II follows and

(e) if both I and II follow

46. Statement : Until our country achieves economic equality, political freedom and democracy would be meaningless.

Conclusions : I. Political freedom and democracy go hand in hand.

II. Economic equality leads to real political freedom and democracy.

47. Statement : "The Government will review the present policy of the diesel price in view of further spurt in the international oil prices". – A spokesman of the Government.

Conclusions : I. The Government will increase the price of the diesel after the imminent spurt in the international oil prices.

II. The Government will not increase the price of the diesel even after the imminent spurt in the international oil prices.

48. Statement : The T.V. staff deserves an applaud for showing booth capture.

Conclusions : I. T.V. aims at showing things in their true perspective.

II. People involved in booth capturing have been recognized and are being tried by law.

49. Statement : The national norm is 100 beds per thousand population but in this state, 150 beds per thousand are available in the hospitals.

Conclusions : I. Our national norm is appropriate.

II. The state's health system is taking adequate care in this regard.

50. Statement : Fashion is a form of ugliness so intolerable that we have to alter it every six months.

Conclusions : I. Fashion designers do not understand the public mind very well.

II. The public by and large is highly susceptible to novelty.

Directions (51-55): Read the following information carefully and answer the given questions:

L, M, N, P, Q, R and S are seven different bowls of different fruits i.e. Coconut, Guava, Lemon, Mango, Fig, Carrot and Broccoli but not necessarily in the same order. The Bowl which is of Coconut fruit is immediately placed above L. There are only two bowls between P and the bowl which is of Coconut fruit. Bowl which is of lemon fruit is placed above P but not immediately above P. Only three bowls are placed between N and the bowl which is of Lemon fruit. The bowl which is of Broccoli fruit is placed immediately above N. The bowl which is of Mango fruit is placed immediately above the bowl S. Only one bowl is placed between M and Q. Bowl M is placed above Q. Neither bowl M nor L is of Fig fruit. L is not of Guava fruit. Bowl P is placed above the bowl which is of Coconut fruit.

51. How many bowls is/are there between P and S?

(a) One   (b) Two   (c) Three

(d) Four   (e) None

52. Bowl 'R' contains which of the following fruit?

(a) Broccoli   (b) Coconut   (c) lemon

(d) Mango   (e) Can't be determined

53. Find the pair of fruit and bowl which is not correct?

(a) M-Mango   (b) R-lemon   (c) L-Carrot

(d) S- Coconut   (e) None of the above

54. Which of the following condition is correct regarding Fig fruit with respect to Q?

(a) There is only one bowl between Q and bowl of Fig fruit

(b) Q is placed immediately above of the bowl of Fig fruit

(c) Fig fruit related to the position immediately above Q

(d) All of the above is true

(e) None of the above is true

55. Which of the following fruit belongs to 'L'?

(a) Coconut   (b) Mango   (c) Fig

(d) Guava   (e) None of the above

Directions (56-57): Each of these questions is based on the following information:

(i) M % N means M is the son of N.

(ii) M @ N means M is the sister of N.

(iii) M $ N means M is the father of N.

56. Which of the following shows the relation that C is the granddaughter of E?

(a) C % B $ F $ E   (b) B $ F $ E % C   (c) C @B %F %E

(d) E % B $ F $ C   (e) None of these

57. Which of the following shows the relation that S is the father of Q?

(a) S @ P $ Q   (b) Q @ P % S   (c) Q $ S @ P
(d) None of these   (e) Q @ S @ P

58. One morning Udai and Vishal were talking to each other face to face at a crossing. If Vishal's shadow was exactly to the left of Udai, which direction was Udai facing?
(a) East   (b) West   (c) North
(d) South   (e) None of these

59. If South-East becomes North, North-East becomes West and so on. What will West become?
(a) North-East   (b) North-West   (c) South-East
(d) South-West   (e) None of these

60. Kanmani ranked sixteenth from the top and twenty ninth from the bottom among those boys who passed an examination. Six boys did not participate in the competition and five failed in it. How many boys were there in the class?
(a) 35   (b) 45   (c) 50
(d) 55   (e) 60