LOGICAL REASONING

1. Fill in the blank to complete the pattern

ELFA, GLHA, ILJA, ___, MLNA

(1) LLMA   (2) OLPA   (3) KLMA   (4) KLLA   (5) LKKA

2. The question below is followed by two statements marked I and II.

Mark your answer as:

A) If Statement I alone sufficient while II alone not sufficient to answer
B) If Statement II alone sufficient while statement I alone not sufficient to answer
C) If either Statement I or Statement II alone sufficient to answer
D) If both statements I and II together are not sufficient to answer
E) If both statements I and II together are necessary to answer

What is Ruman's rank from the top in the class of 40 students?

I. Seema is 4 ranks below Ruman and is thirty-first from the bottom.
II. Kanuj is two ranks above Ruman and is thirty-seventh from the bottom.

(1) C   (2) A   (3) B   (4) D   (5) E

3. If DELHI is written as EDMGJ in a certain code. How is NEPAL

written in that code?

(1) OPQZX   (2) OCDNM   (3) ODQZM   (4) OESBN   (5) OSTPU

4. Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).

Assertion (A): Legumes revive the soil fertility.
Reason (R): Microbes in the root nodules of legumes fix the atmospheric nitrogen.

In light of the above statements, choose the correct answer from the options given below.

(1) (A) is true but (R) is false.
(2) Both (A) and (R) are true and (R) is the correct explanation of (A).
(3) Both (A) and (R) are true but (R) is NOT the correct explanation of (A).
(4) (A) is false but (R) is true.
(5) Both (A) and (R) are false.

5. If in a code language. COULD is written as BNTKC and MARGIN is written as LZQFHM, how will MOULDING be written in that code?

(1) LNTKCHMF   (2) CHMFINTK   (3) LNKTCHMF   (4) NITKHCMF   (5) NITHKCMF

6. The question below contains three statements, followed by four conclusions numbered I, II, III & IV. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Statements:

All snakes are trees.
Some trees are roads.
All roads are mountains.

Conclusions:

I. Some mountains are snakes
II. Some roads are snakes
III. Some mountains are trees

(1) Only III follow   (2) Only I follow   (3) Only II follow   (4) Both I and II follow   (5) None follow

7. The question below contains three statements, followed by four conclusions numbered I, II, III & IV. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

   Statements:

   Some dogs are rats
   All rats are trees.
   Some trees are not dogs.

   Conclusions:

   I.   Some trees are dogs
   II. All dogs are trees
   III. All rats are dogs
   IV. No tree is dog

   (1) Only I follow   (2) None follow   (3) All follow
   (4) Only III follow   (5) Only II follow

8. Select the alternative with the same analogy

   Flying: Bird:: Creeping: ?

   (1) snail   (2) crawl   (3) aeroplane   (4) flower   (5) ground

9. The question below contains three statements, followed by four conclusions numbered I, II, III & IV. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

   Statements:

   Some bags are purses.
   All purses are containers.
   All containers are suitcases.

   Conclusions:

   I.   Some suitcases are bags
   II. All purses are bags
   III. All purses are suitcases
   IV. Some containers are purses

   (1) Only I and III follow
   (2) Only I, II and III follow
   (3) Only II and III follow
   (4) Only I, III and IV follow
   (5) Only II, III and IV follow

10. In the question below, a statement is followed by three courses of action numbered I, II and III. You have to assume everything in the statement to be true and on the basis of the information given in the statement, decide which of the suggested courses of action logically follow(s) for pursuing

    Statements: Poverty is increasing because the people, who are deciding how tackle it, know absolutely nothing about the poor.

    Courses of action:

    I.   The decision makers should go to grass root levels.
    II. The decision makers should come from poorer sections of the society
    III. A new set of decision makers should replace the existing one

(1) Either I or III follows
(2) Only I follows
(3) Only II follows
(4) Only III follow
(5) All follow

11. Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).

    Assertion (A): Metal objects expand when heated.
    Reason (R): Heating increases the kinetic energy of metal atoms.

    In light of the above statements. choose the correct answer from the options given below.

    (1) (A) is true but (R) is false.
    (2) Both (A) and (R) are true and (R) is the correct explanation of (A).
    (3) Both (A) and (R) are true but (R) is NOT the correct explanation of (A).
    (4) (A) is false but (R) is true.
    (5) Both (A) and (R) are false.

12. Here are some words translated from an artificial language.

    moolokarn means blue sky
    wilkospadi means bicycle race
    moolowilko means blue bicycle

    Which word could mean "racecar'?

    (1) moolobreil   (2) wilkozwet   (3) spadiwilko   (4) spadivolo   (5) wilkovolo

13. Four of the following group of letters are alike in some respect so that they may form a group. Choose the one which does not belong to this group.

    (1) FZ   (2) SK   (3) DN   (4) RS   (5) BP

14. In a queue of 13 persons buying tickets from a counter, if every second person from the counter is a female and the person at the beginning and at the end of the queue are also females. How many persons in the queue are male?

    (1) 4   (2) 6   (3) 5   (4) 7   (5) 8

15. Kumar walks 10 km towards North. From there he walks 6 km towards South. Then, he walks 3 km towards East. How far and in which direction is he with reference to his starting point?

    (1) 7 km East   (2) 5 km West   (3) 7 km West   (4) 5 km North-East   (5) 4 km East

16. Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).

    Assertion (A): In India, females have higher life expectancy than the males.
    Reason (R): Females receive a better diet.

    In light of the above statements, choose the correct answer from the options given below.

    (1) (A) is true but (R) is false.
    (2) Both (A) and (R) are true and (R) is the correct explanation of (A).
    (3) Both (A) and (R) are true but (R) is NOT the correct explanation of (A).
    (4) (A) is false but (R) is true.
    (5) Both (A) and (R) are false

17. Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).

    Assertion (A): In India, females have higher life expectancy than the males.
    Reason (R): Females receive a better diet.

    In light of the above statements, choose the correct answer from the options given below.

(1) (A) is true but (R) is false.
(2) Both (A) and (R) are true and (R) is the correct explanation of (A).
(3) Both (A) and (R) are true but (R) is NOT the correct explanation of (A).
(4) (A) is false but (R) is true.
(5) Both (A) and (R) are false

18. Select the alternative with the same analogy

14. 9: 26: ?

(1) 13   (2) 12   (3) 15   (4) 31   (5) 20

19. In a certain code, HARYANA is written as 8197151, how is DELHI written in that code?

(1) 32145   (2) 45389   (3) 46932   (4) 34598   (5) 43278

20. If SYMBOL is written as NZTMPG is it a certain code? How is NUMBER written in that code?

(1) OVSNOC   (2) NVOSFC   (3) TSPKAB   (4) TRPLMC   (5) NMTOBV

21. Here are some words translated from an artificial language.

gorblflur means fan belt
pixngorbl means ceiling fan
arthtusl means tile roof

Which word could mean "ceiling tile"?

(1) arthflur   (2) gorbltusl   (3) flurgorbl   (4) pixnarth   (5) pixngorbl

22. The question below is followed by two statements marked I and II.

Mark your answer as:

A) If Statement I alone sufficient while II alone not sufficient to answer
B) If Statement II alone sufficient while statement I alone not sufficient to answer
C) If either Statement I or Statement II alone sufficient to answer
D) If both Statements I and II together are not sufficient to answer
E) If both Statements I and II together are necessary to answer

What is the code for 'sky' in the code language?

I. In the code language, 'sky is Clear' is written as 'de fa fa'
II. In the same code language, 'make it clear' is written as 'de ga jo'

(1) C   (2) A   (3) B   (4) D   (5) E

23. Rohan adores chocolates. He likes biscuits. But he hates apples. His mother told him that he can buy as many chocolates he wishes. But then he must have biscuits twice the number of chocolates and should have apples more than biscuits and chocolates together Each chocolate cost Re 1. The cost of apple is twice the chocolate and four biscuits are worth one apple. Then which of the following can be the amount that the mother spent on that evening on her son if number of chocolates, biscuits and apples brought were all integers?

(1) Rs. 8   (2) Rs. 36   (3) Rs. 34   (4) Rs. 33   (5) Rs. 5

24. Fill in the blank to complete the series

ZA_5, Y_4B, XC_6, W_3D,_____

(1) VE_5 (2) E_7V (3) V_2E (4) VE_7 (5) V_5E

25. Four of the following group of numbers are alike in some way and form a likely group. Find the number from the given options that does not belong to the group.

(1) 63   (2) 13   (3) 23   (4) 43   (5) 53

26. If A + B means A is the sister of B; A − B means A is the brother of B; A* B means A is the daughter of B, which of the following shows the relation that E is the maternal uncle of D?

(1) D*F+E   (2) D+F*E   (3) D−F*E   (4) D*F−E   (5) D+F−E

27. Given below are two statements, one is labelled as Assertion (A) and other one labelled as Reason (R).

Assertion (A): Adding salt to water lowers its freezing paint.
Reason (R): Salt disrupts the formation of ice crystals in water.

In light of the above statements. choose the correct answer from the options given below.

(1) (A) is true but (R) is false.
(2) Both (A) and (R) are true and (R) is the correct explanation of (A).
(3) Both (A) and (R) are true but (R) is NOT the correct explanation of (A).
(4) (A) is false but (R) is true.
(5) Both (A) and (R) are false

28. Select the alternative with the same analogy

ACFJ: OUZJ :: SUXB: ?

(1) GKPY   (2) GNSA   (3) GLQZ   (4) GMRB   (5) GUKP

29. If EARTH is written as FCUXM in a certain code. How is MOON written in that code?

(1) NTTP   (2) NTPR   (3) NQRR   (4) LPPT   (5) NQQR

30. In the question below, a statement is followed by two courses of action numbered I and II. You have to assume everything in the statement to be true and on the basis of the information given in the statement, decide which of the suggested courses of action logically follow(s) for pursuing

Statements: Majority of the students in many schools do not pass in the final examination

Courses of action:

These schools should be closed down as these have become unproductive.
The teachers of these schools should immediately be retrenched.

(1) Neither I nor II follow
(2) Only I follows
(3) Only II follows
(4) Both I and II follow
(5) Either I nor II follow

31. Complete the series:

Sunday, Monday, Wednesday, Saturday, Wednesday, Monday, Sunday, ...

(1) Wednesday   (2) Sunday   (3) Monday   (4) Saturday   (5) Thursday

32. Complete the series:

K1, M3, P5, T7, ?

(1) Y9   (2) V9   (3) V11   (4) Y11   (5) W9

33. Complete the series 5760, 2880, 960, 240, 48, ?

(1) 12   (2) 16   (3) 8   (4) 4   (5) 6

34. Naman is performing yoga with his head down and legs up. His face is towards the west. In which direction will his left hand be?

(1) North   (2) East   (3) West

(4) South   (5) Data inadequate

35. Choose a word from the given alternates, that belongs to the same group.

Peas : Gram : Pulses : ?

(1) Barley   (2) Coconut   (3) Beans   (4) Rice   (5) Potato

36. Select the alternative with the same analogy

Annihilation: Fire:: Cataclysm: ?

(1) disaster   (2) Emergency   (3) Steam   (4) earthquake   (5) flood

37. At the annual general meeting, 12 members shook hands with each other before & after the meeting. How many total numbers of hand shakes occurred?

(1) 144   (2) 130   (3) 132   (4) 66   (5) 80

Directions for the questions 38 to 40: Study the information given below and answer.

Data on 450 candidates, who took an examination in Social Science, Mathematics and Science is given below

Passed in all the subjects	167
Failed in all the subjects	60
Failed in Social Sciences	175
Failed in Mathematics	199
Failed in Science	191
Passed in Social Sciences only	62
Passed in Mathematics only	48
Passed in science only	52

38. How many failed in Social Sciences Only?

(1) 25   (2) 15   (3) 20   (4) 21   (5) 35

39. How many passed in Mathematics and at least one more subject?

(1) 242   (2) 210   (3) 203   (4) 170   (5) 94

40. How many failed in one subject Only?

(1) 64   (2) 152   (3) 61   (4) 135   (5) 56

Directions for the questions 41 to 42: The question below is followed by two statements marked I and II. Mark as your answer

A) If Statement-I alone is sufficient.

B) If Statement-II alone is sufficient.

C) If both Statements I and II together are required to answer the question

D) If neither Statement I nor II is sufficient and additional data are required.

E) If either Statement I or Statement II alone sufficient to answer

41. Does Barun weigh more than 70 kgs?

    I.   If Barun losses 10 kgs. he will be less than 80 kgs.

    II. If Barun losses 20 kgs. he will be less than 70 kgs.

(1) C   (2) A   (3) B   (4) D   (5) E

42. Who is older-Shyamal or Arup?

    I.   Arup's father married before Shyamal was bor.

    II.   Shyamal's mother married earlier then Arup's father

(1) C   (2) A   (3) B   (4) D   (5) E

Directions for the questions 43 to 45: Read the information given in the passage and answer the questions.

Anupam, Priya, Saili, Rohan, Manish, Geetika and Yuvika are sitting around a circle facing the centre. Anupam is third to the left of Yuvika and to the immediate right of Rohan. Priya is second to the left of Geetika who is not an immediate neighbour of Manish.

43. Who is second to the right of Rohan?

(1) Saili   (2) Anupam   (3) Manish   (4) Priya   (5)Yuvika

44. Which of the following pairs of persons has the first person sitting to the immediate right of the the second person?

(1) Yuvika - Manish   (2) Rohan – Manish   (3) Yuvika – Anupam
(4) Priya – Manish   (5) Rohan – Geetika

45. Who is to the immediate left of Priya?

(1) Yuvika   (2) Manish   (3) Saili   (4) Rohan   (5) Anupam

Directions for the questions 46 to 49: Read the following information carefully and answer the questions given below:

Madan and Rohit are in the same team of hockey. Parth defeated Rohit in badminton but lost to Sachin in tennis. Nitin teams with Sagar in football and with Sachin in hockey. Rohit defeated Sachin in chess. Those who play cricket do not play badminton. volleyball or tennis. Madan and Parth are in opposite teams of basketball. Nitin represents his state in cricket while Sagar does so at the district level. Boys who play chess do not play football basketball or volleyball. Madan and Parth are together in the volleyball team Boys who play football also play hockey.

46. Who Plays the largest number of games?

(1) Parth   (2) Sagar   (3) Rohit   (4) Nitin   (5) Sachin

47. Which boy plays both badminton and hockey?

(1) Nitin   (2) Sachin   (3) Rohit   (4) Parth   (5) Sagar

48. Who plays both hockey and tennis?

(1) Nitin   (2) Sachin   (3) Rohit   (4) Parth   (5)Sagar

49. Which is the most popular game with this group?

(1) Football   (2) Cricket   (3) Hockey   (4) Badminton   (5)Tennis

Directions for the questions 50 to 53: Read the following information carefully and answer the questions given below:

A quiz has three rounds of two questions each. In the first round each correct answers carries 20 points whereas each incorrect answer carries a penalty of 10 points. If both the questions are answered correctly a bonus of 10 points is awarded. In the second round each correct and incorrect answer carries the same number of points as in the first round. However an additional penalty of 10 points is awarded if both the questions were answered incorrectly. In the final round each correct answer carries 40 points and an incorrect one carries a penalty of 20 points.

50. In how many ways can a score of 40 be achieved in the quiz?

(1) 2   (2) 0   (3) 1   (4) 3   (5) 4

51. What is the probability of scoring 100 in the quiz?

(1) 4/27   (2) 2/9   (3) 2/27   (4) 1/9   (5) 5/9

52. If only two answers were correct what is the probability that the score would be 20?

(1) 1/3   (2) 0   (3) 1/2   (4) 2/3   (5) 1/6

53. If two answers are incorrect, the minimum possible score is?

(1) 60   (2) 40   (3) 50   (4) 70   (5) 80

Directions for the questions 54 to 57: Read the following information carefully and answer the questions given below:

Five different film actors namely Amit, Shahrukh, Anil, Sunil and Akshay are engaged in the shooting of five different movies with five different actresses Madhuri, Kareena, Aishwarya, Shilpa, and Juhi not necessarily in the same order, in different studios. The director of each film decided to set a record by making the films as early as possible.

i. Aishwarya's studio is between Amit's and Akshay's studios.
ii. Shahrukh's director who doesn't have Aishwarya as an actress in the shooting took three fourths as many as the number of days taken by Sunil's Director.
iii. Akshay's studio number is 417.
iv. Anil's film took more days than Amit's, while Amit's film took more days than Aishwarya's to get finalized.
v. The director from studio number 418 took 16 days lesser then the director from studio number 415, to complete his film.
vi. Shilpa's film took 8 days more than Amit's and two days more than Juhi's.
vii. Madhuri's studio number is 416.
viii. Madhuri's film took 8 day less then Aishwarya's film and Anil's films took maximum number of days for completion.

54. Name of the actress of studio No. 417?

(1) Aishwarya   (2) Kareena   (3) Juhi   (4) Madhuri   (5) Shilpa

55. The director of which studio made the film in the least number of days?

(1) Studio No. 417   (2) Studio No. 415   (3) Studio No. 416
(4) Studio No. 418   (5) Studio No. 419

56. Who is opposite of Kareena in her film?

(1) Akshay   (2) Amit   (3) Shahrukh   (4) Anil   (5) Sunil

57. Sunil's film was completed in?

(1) 36 days   (2) 40 days   (3) 42 days   (4) 38 days   (5) 32 days

Directions for the questions 58 to 60: Read the information given below and answer the questions that follows.

In a family, there are six members A, B, C, D, E and F. A and B are a married couple, A being the male member. D is the only son of C, who is the brother of A. E is the sister of D. B is the daughter -in-law of F, whose husband has died.

58. How is F related to A?

(1) Neice   (2) Mother   (3) Sister   (4) Aunt   (5) Wife

59. Who is C to B?

(1) Nephew   (2) Brother   (3) Brother-in-law   (4) Son-in-law   (5) Son

60. How is E related to C?

(1) Niece   (2) Sister   (3) Daughter   (4) Aunt   (5) Mother

Directions for the questions 61 to 63: Read the following information carefully and answer the questions that follow.

Seven frequent visitors visit the restaurant daily. On being asked about their visit to the restaurant the preceding Sunday, the following were the answers:

Jai Chand: I came in first and the next two persons to enter were Sohan Singh and Shail Munshi. When I left the restaurant, Jai Prakash and Vinod Rai were present in the bar. Deepak Garg left with me.

Jal Prakash: When I entered the restaurant with Vinod Ral, Jal Chand was sitting there. There was someone else also, but I was not in a position to recognize him.

Shail Munshi; I went to the restaurant for a short while last Sunday and met Jal Chand, Sohan Singh, and Deepak Garg there.

Sohan Singh: I left immediately after Shall Munshi left.

Deepak Garg: I met Jal Chand, Sohan Singh, Shail Munshi, Jai Prakash, and Vinod Ral during my first visit to the restaurant. But I got an urgent call and came out of the restaurant with Jal Chand, When I went to the restaurant the second time, Jal Prakash and Vinod Rai were there.

Pradeep Kumar: I had some urgent work, so I did not sit in the restaurant for a long time. Jal Prakash and Deepak Garg were the only people in the restaurant while I was there.

Vinod Rai: I was not well and I don't remember anything.

61. Who were the last two persons to leave the restaurant?

(1) Jai Prakash & Pradeep Kumar
(2) Jai Chand & Deepak Garg
(3) Pradeep Kumar & Deepak Garg
(4) Jai Prakash & Deepak Garg
(5) Jai Prakash & Jai Chand

62. How many of the seven members did Vinod Rai meet on Sunday in the restaurant?

(1) 3   (2)1   (3)2   (4) 4   (5) 5

63. Who was sitting with Jai Chand when Jai Prakash entered the restaurant?

(1) Deepak Garg   (2) Sohan Singh   (3) Shail Munshi   (4) Pradeep Kumar   (5) Vinod Rai

Directions for the questions 64 to 66: Study the following information carefully and answer the questions that follow.

Aman, Bindu, Chirag, Durga, Ema, Farha, Govind and Harini are sitting around a circle, facing the centre.

Aman sits fourth to the right of Harini while second to the left of Farha. Chirag is not the neighbour of Farha and Bindu. Durga sits third to the night of Chirag. Harini never sits next to Govind.

64. Four of the following pairs are alike in a certain way based on their positions in the seating arrangement and so form a group. Which is the one that does not belong to that group?

(1) Bindu and Durga   (2) Durga and Chirag   (3) Harini and Farha
(4) Govind and Ema   (5) Anu and Chintu

65. Which of the following pairs sit between Ema and Farha?

(1) Chirag and Govind
(2) Bindu and Harini
(3) Aman and Chirag
(4) Bindu and Durga
(5) Aman and Durga

66. Who amongst the following sits between Govind and Durga?

(1) Chirag   (2) Ema   (3) Farha   (4) Harini   (5) Aman

Directions for the questions 67 to 68: Read the following information and answer the questions that follow.

Mahesh travels 10 kms. to the north, turns left travels 4 km and then again turns right and cover another 5 km. And then turns right and travels another 4 km.

67. How far is Mahesh from the starting point?

(1) 15 km   (2) 10 km   (3) 5 km   (4) 20 km   (5) 12 km

68. In which direction Mahesh was traveling in his final spell?

(1) Towards north   (2) Towards east   (3) Towards south
(4) Towards west   (5) Towards north west

Directions for the questions 69 to 70: Study the following ii information to answer the questions that follows:

A word arrangement machine, when given an input line of words, rearranges them following a particular rule in each step. The following is an illustration of input and the steps of rearrangement:

Input: before its court seeking permission to carry out a test.

Step I: its before court seeking permission to carry out a test.
Step II: its before carryout court seeking permission to a test.
Step III: its before carryout court permission seeking to a test.
Step IV: a its before carryout court permission seeking to test.
Step V: a its before carryout court permission seeking test to.

As per the rules followed in the above steps, find out in the given questions the appropriate step for the given input.

69. If the Input is: 'these many other clinicians and', which of the following steps would be 'and clinicians many these others'?

(1) III   (2) I   (3) II   (4) IV   (5) V

70. Which step is the last step for the given input?

Input: in this volume provides the

(1) III   (2) I   (3) II   (4) IV   (5) V

Directions for the questions 71 to 73: In these questions, the symbols @, %, ©, $, and # are used with the following meaning as illustrated below.

'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 than Q'.
'P$Q' means 'P is not smaller than Q'.
'P#Q' means 'P is neither smaller nor greater than Q'.

Assuming the given statements to be true, find which of the conclusions is definitely true.

71. Statements

R©D
DSM
M*J

Conclusions

I.   J$D
II.   J%D

(1) Only Conclusion II is true
(2) Either Conclusion I or II is true
(3) Only Conclusion I is true
(4) Neither Conclusions I nor II is true

(5) Both Conclusions I and II are true

72. Statements

H@K

K%M

M©D

Conclusions

I.   H@D

II. K%D

(1) Only Conclusion II is true

(2) Either Conclusion I or II is true

(3) Only Conclusion I is true

(4) Neither Conclusions I nor II is true

(5) Both Conclusions I and II are true

73. Statements

R%H

H©T

T@K

Conclusions

I.   T©R

II. K%H

(1) Only Conclusion II is true

(2) Either Conclusion I or II is true

(3) Only Conclusion I is true

(4) Neither Conclusions I nor II is true

(5) Both Conclusions I and II are true

Directions for the questions 71 to 73: In the following questions, the symbols δ, %, $, # and @ are used with the following meaning as illustrated below.

'P $ Q' means 'P is not smaller than Q'.

'P@Q' means 'P is not greater than Q'.

'P δ 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 neither smaller than nor greater than Q'.

Now, in each of the following questions assuming the given statements to be true, find out which of the two conclusions I and II given is/are definitely true?

74. Statements

T%H

H$W

Conclusions

I.   W#T

II. W%T

(1) Either conclusion I or II is true

(2) Only conclusion I is true

(3) Only conclusion II is true

(4) Neither conclusion I nor II is true

(5) Both conclusions I and II are true

75. Statements: NδK

K#D

D%M

Conclusions

I.   MδK

II. DδN

(1) Either conclusion I or II is true

(2) Only conclusion I is true

(3) Only conclusion II is true

(4) Neither conclusion I nor II is true

(5) Both conclusions I and II are true

ABSTRACT REASONING

1. Which of the boxes comes next in the sequence?
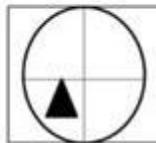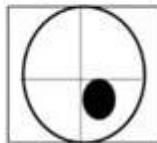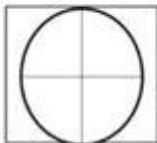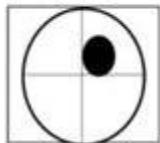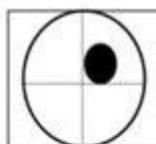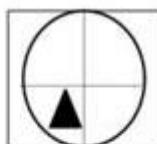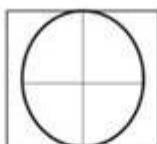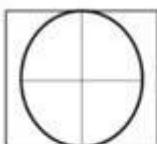
(1) C   (2) A   (3) B   (4) D   (5) E

2. How many triangles are present in the following figure?

(1) 9   (2) 13   (3) 11   (4) 7   (5) 15

3.
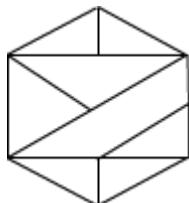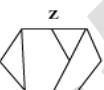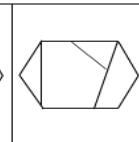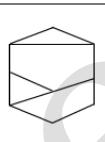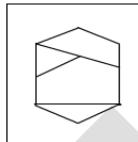
(1) C   (2) A   (3) B   (4) D   (5) E

4. There are four figures which are alike in some respect and two figures are different from others. Find out the odd figures.
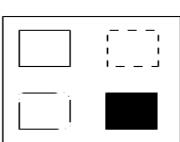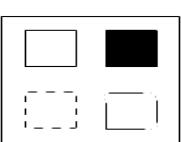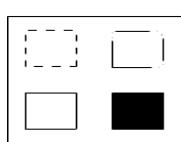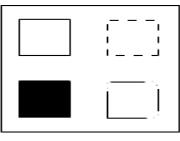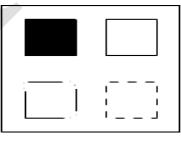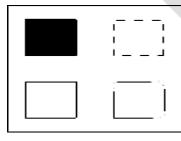
(1) 2 and 5   (2) 1 and 6   (3) 3 and 4   (4) 4 and 6   (5) 1 and 5

5. Choose the image that completes the pattern (From left to right):
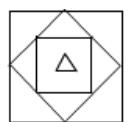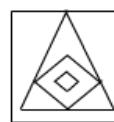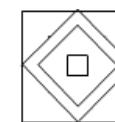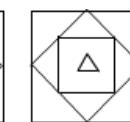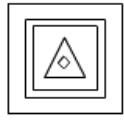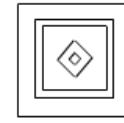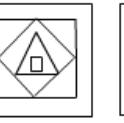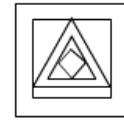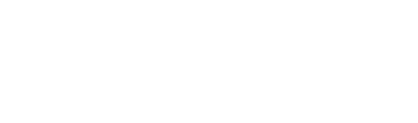
(1) C   (2) A   (3) B   (4) D   (5) E

6. Choose the odd one out:
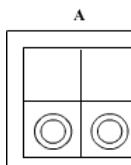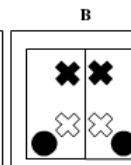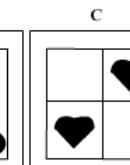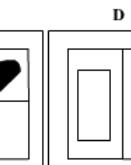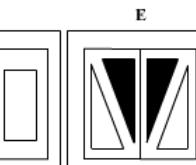
(1) C   (2) A   (3) B   (4) D   (5) E

7. Which box follows the sequence?
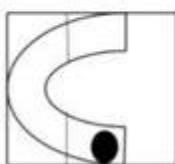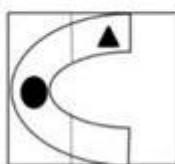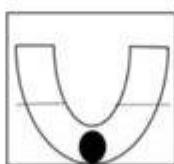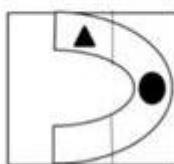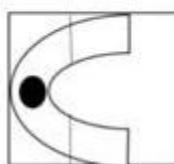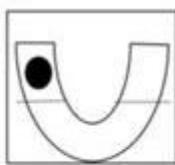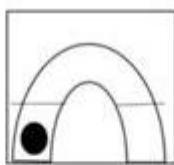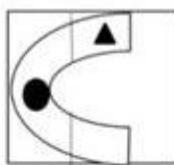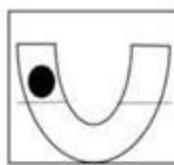
(1) C   (2) A   (3) B   (4) D   (5) E
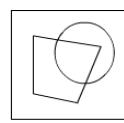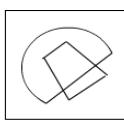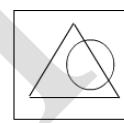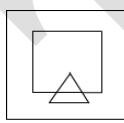
8. Complete the sequence.
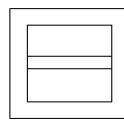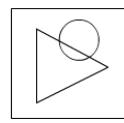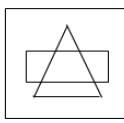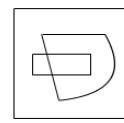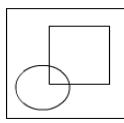
(1) C   (2) A   (3) B   (4) D   (5) E

9. Which figure is the odd one out?
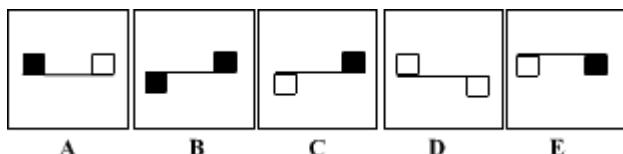
| A | B | C | D | E |

(1) C   (2) A   (3) B   (4) D   (5) E

10. Four positions of a dice are given below:
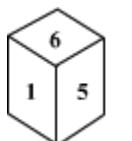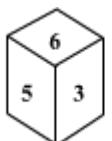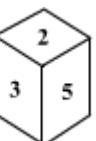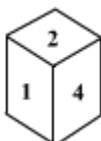
(1) 6   (2) 5   (3) 3   (4) 1   (5) 2

11. Complete the sequence.
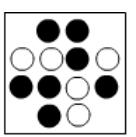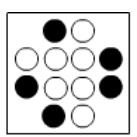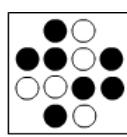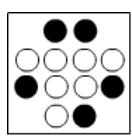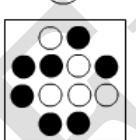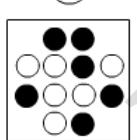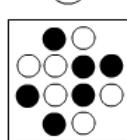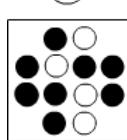
(1) C   (2) A   (3) B   (4) D   (5) E

12. Group the given figures into three classes using each figure only once.
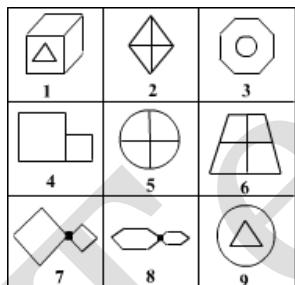

(1) 1,2,4 ; 3,5,7 ; 6,8,9   (2) 1,3,9 ; 2,5,6 ; 4,7,8   (3) 1,3,9 ; 2,7,8 ; 4,5,6
(4) 1,3,6 ; 2,4,8 ; 5,7,9   (5) 1,4,6 ; 2,3,8 ; 5,7,9

13. Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.
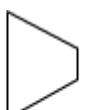
(1)   (2)   (3)   (4)   (5)

(1) 3 4 5   (2) 1 2 4   (3) 1 3 5   (4) 1 2 3   (5) 2 4 5

14. Group the given figures into three classes using each figure only once.
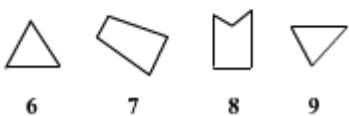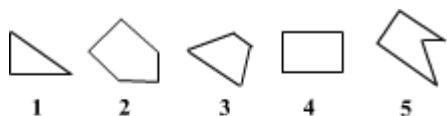
(1) 1,6,8 ; 3,4,7 ; 2,5,9   (2) 7,8,9 ; 2,4,3 ; 1,5,6   (3) 1,3,2 ; 4,5,7 ; 6,8,9

(4) 1,6,9 ; 3,4,7 ; 2,5,8   (5) 7,6,9 ; 3,4,1 ; 2,5,8

**15.** Find the odd one out.
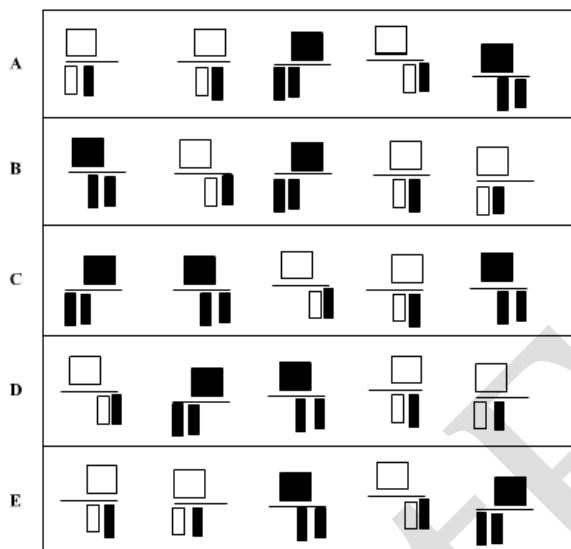
(1) C   (2) A   (3) B   (4) D   (5) E

16. In the following question, select the figure that can be placed at the sign of the question mark (?) from the given alternatives.
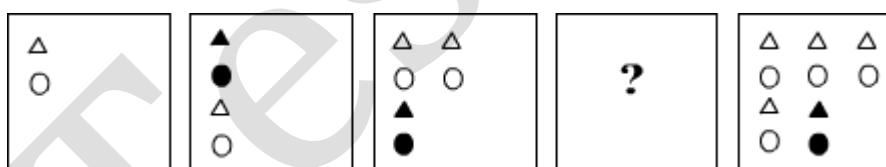

(1)   (2)   (3)   (4)   (5)
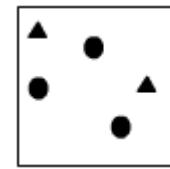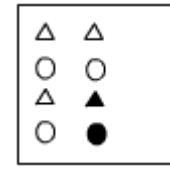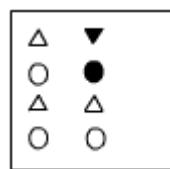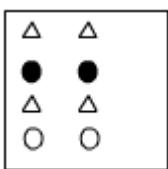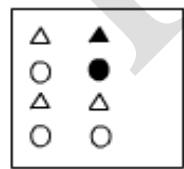
17. In the question given below which one of the answer figures should come after the problem figures given, if the sequence were continued?

Problem Figures

?
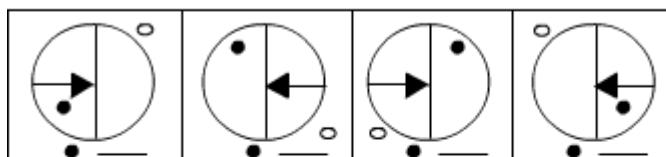
Answer Figures
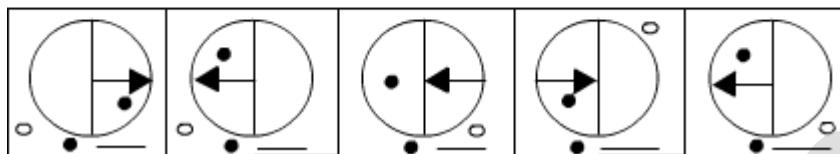
| A | B | C | D | E |

(1) 3   (2) 1   (3) 2   (4) 4   (5) 5

18. Complete the sequence.

(1) C   (2) A   (3) B   (4) D   (5) E

19. Select the alternative which represents three out of the five alternative figures which when fitted into each other would form a complete square.


(1)   (2)   (3)   (4)   (5)

(1) 1 2 3   (2) 1 4 5   (3) 2 4 5   (4) 2 3 4   (5) 3 4 5

**20.** Choose the image that completes the pattern.

(1) 3   (2)1   (3)2   (4) 4   (5) 5

21. 1
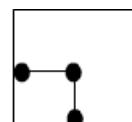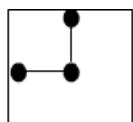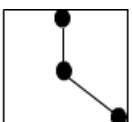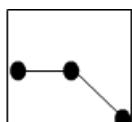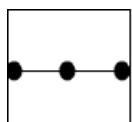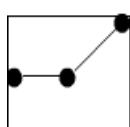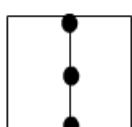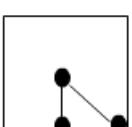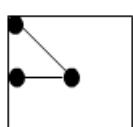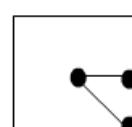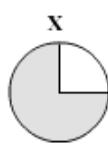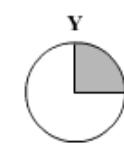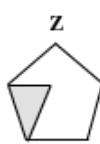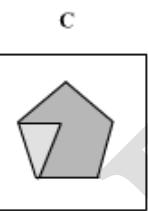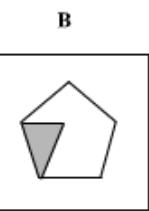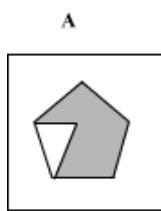
(1) C   (2) A   (3) B   (4) D   (5) E

22. Which shape follows in the sequence?

(1) C   (2) A   (3) B   (4) D   (5) E

23. Group the given figures into three classes using each figure only once.


(1) 2,6,7 ; 1,5,8 ; 3,4,9   (2) 2,4,7 ; 1,8,9 ; 3,5,6   (3) 2,6,9 ; 1,5,7 ; 3,4,8
(4) 2,8,7 ; 1,5,9 ; 3,4,6   (5) 2,8,9 ; 1,5,7 ; 3,4,6

**24.** Choose the image that completes the pattern (From left to right):

(1) C   (2) A   (3) B   (4) D   (5) E

25. Find the odd one out.

(1) C   (2) A   (3) B   (4) D   (5) E

QUANTITATIVE APTITUDE

1. The greatest number which will divide 410, 751, and 1030 leaving a remainder 7 in each case is

(1) 17   (2) 29   (3) 31   (4) 37   (5) 21

2. How many numbers, lying between 1 and 500, are divisible by 13?

(1) 41   (2) 40   (3) 38   (4) 36   (5) 42

3. Two-thirds of one-seventh of a number is 87.5% of 240. What is the number?

(1) 2050   (2) 2205   (3) 1470   (4) 2570   (5) 1550

4. A bank offers 5% compound interest calculated on half-yearly basis. A customer deposits Rs. 1600 each on 1st January and 1st July of a year. At the end of the year, the amount he would have gained by way of interest is:

(1) Rs. 122   (2) Rs. 120   (3) Rs. 121   (4) Rs. 123   (5) Rs. 124

5. A train 125 m long passes a man, running at 5 km/hr in the same direction in which the train is going, in 10 seconds. The speed of the train is:

(1) 55 km/hr   (2) 45 km/hr   (3) 50 km/hr   (4) 40 km/hr   (5) 60 km/hr

6. A shopkeeper buys 50 pencils for Rs. 100 and sells 45 pencils for Rs. 90, find his gain or loss percent

(1) 15%   (2) 20%   (3) 25%
(4) 10%   (5) No profit no loss

7. Two stations A and B are 110 km apart on a straight line. One train starts from A at 7 a.m. and travels towards B at 20 kmph. Another train starts from B at 8 a.m. and travels towards A at a speed of 25 kmph. At what time will they meet?

(1) 11.00 am   (2) 10.30 am   (3) 10.00 am   (4) 11.30 am   (5) 11.45 am

8. Two trains running in opposite directions cross a man standing on the platform in 27 seconds and 17 seconds respectively and they cross each other in 23 seconds. The ratio of their speeds is:

(1) 2 : 3   (2) 1 : 2   (3) 3 : 2   (4) 3 : 1   (5) 2 : 1

9. The value of a washing machine depreciates at the rate of 10% every year If its present value is Rs. 8748, then what was the price of the washing machine three years ago?

(1) Rs. 12000   (2) Rs. 15000   (3) Rs. 16000   (4) Rs. 10000   (5) Rs. 8000

10. Nine people had dinner in a restaurant. Eight of them spent Rs. 120 each and the ninth one spent Rs. 80 more than the average expenditure of all nine. What was the total money spent by them?

(1) Rs. 12000   (2) Rs. 15000   (3) Rs. 16000   (4) Rs. 10000   (5) Rs. 8000

11. Find the compound interest on Rs. 9500/- in 2 years at 8% rate of interest per annum. the interest being compounded half-yearly

(1) Rs. 2,0642.66/-   (2) Rs. 1,613.66/-   (3) Rs. 3,204.33/-
(4) Rs. 1,314.66/-   (5) Rs. 2442.33/-

12. Aman sold his book of Rs. 891, thereby gaining 1/10 of its cost price. The cost price is?

(1) Rs. 810/-   (2) Rs. 850/-   (3) Rs. 800/-   (4) Rs. 820/-   (5) Rs. 860/-

13. There are 50 boys in a class with an average weight of 45 kg. When one boy leaves the class, the average reduces by 100 grams. Find the weight of the boy who left the class.

(1) 42.9 kg   (2) 40.9 kg   (3) 49.9 kg   (4) 39.9 kg   (5) 49 kg

14. 30 pencils and 75 pens were bought for Rs. 510. If the average price of the pencil was Rs. 2.00, find the average price of a pen.

(1) Rs. 12   (2) Rs. 10   (3) Rs. 11   (4) Rs. 13   (5) Rs. 14

15. In how many different ways can the letters of the word 'SECOND' be arranged?

(1) 720   (2) 120   (3) 600   (4) 270   (5) 340

16. A 60 liter mixture of milk and water contains 10% water How much water must be added to make water 20% in the mixture?

(1) 7 liters   (2) 8 liters   (3) 8.5 liters   (4) 7.5 liters   (5) 9 liters

17. If Suresh borrows Rs. 36000 from Mahesh at rate of interest 6% S.I, at the end of four years how much interest Suresh has to pay along with principal amount?

(1) Rs. 12760   (2) Rs. 12560   (3) Rs. 12960   (4) Rs. 12260   (5) Rs. 12360

18. Which of the following words can be written in 120 different ways?

(1) WATER   (2) STABLE   (3) QUESTION   (4) ANSWERS   (5) DARE

19. Two ships are sailing in the sea on the two sides of a lighthouse. The angles of elevation of the top of the lighthouse observed from the ships are 30° and 45° respectively. If the lighthouse is 100m high, find the distance between the two ships.

(1) 340 m   (2) 280 m   (3) 273 m   (4) 153 m   (5) 161 m

20. In an examination, the average marks for all candidates was 50. It was later found out that for 100 candidates, marks were wrongly computed as 90 instead of 60. After correcting the data, the average marks for all candidates came down to 45. The total number of candidates who appeared at the examination was?

(1) 100   (2) 500   (3) 200   (4) 300   (5) 600

21. Number of factors of 7200 is

(1) 36   (2) 45   (3) 54   (4) 63   (5) 72

22. $N = 1421 \times 1423 \times 1425$. What is the remainder when N is divided by 12?

(1) 2   (2) 0   (3) 1   (4) 3   (5) 4

23. If 20% of $x = y$, what is the value of y% of 20 in terms of x?

(1) 10% of x (2) 4% of x (3) 5% of x (4) 20% of x (5) 1% of x

24. What is the smallest number which when increased by 5 is completely divisible by 8, 11 and 24?

(1) 269   (2) 264   (3) 259   (4) 274   (5) 254

25. If the cost price is 96% of the selling price then what is the profit percentage?

(1) 3.8%   (2) 4%   (3) 4.2%   (4) 4.5%   (5) 5%

26. A reduction of 20% in the price of sugar enables a housewife to purchase 6 kg more for Rs. 240. What is the original price per kg of sugar?

(1) Rs. 14   (2) Rs. 12   (3) Rs. 10   (4) Rs. 15   (5) Rs. 18

27. The average of the two numbers is XY. If one number is X then the other number is?

(1) X (Y – 1)   (2) Y   (3) Y/2   (4) 2XY – X   (5) X + XY

28. Thirty men take 20 days to complete a job working 9 hours a day. How many hours a day should 40 men work to complete the job?

(1) 6 hours, 45 minutes   (2) 8 hours, 45 minutes   (3) 7 hours, 30 minutes
(4) 6 hours, 30 minutes   (5) 7 hours, 15 minutes

29. If the manufacturer gains 10%, the wholesale dealer 15% and the retailer 25% then find the cost of production of a table the retail price of which is Rs 1265?

(1) Rs. 600/-   (2) Rs. 800/-   (3) Rs. 1000/-   (4) Rs. 900/-   (5) Rs. 1200/-

30. Three students contested an election and received 1000, 5000 and 10000 votes, respectively. What is the percentage of the total votes the winning student gets?

(1) 56%   (2) 53%   (3) 62.5%   (4) 64.5%   (5) 50%

31. The average of first 100 natural numbers is:

(1) 25   (2) 50   (3) 50.5   (4) 125   (5) 25.5

32. A dealer sold a mixer for Rs. 420 at a loss of 12.5%. At what price should he have sold it to gain 12.5%?

(1) Rs. 520/-   (2) Rs. 620/-   (3) Rs. 540/-   (4) Rs. 650/-   (5) Rs. 700/-

33. A pipe can fill a tank in 6 hours and another pipe can empty the tank in 12 hours. If both the pipes are opened at the same time, the tank can be filled in?

(1) 8 hrs   (2) 10 hrs   (3) 12 hrs   (4) 14 hrs   (5) 16 hrs

34. A batsman scores 98 runs in his 19th inning and this increases his average by 4. What is his average score after 19th inning?

(1) 26   (2) 22   (3) 24   (4) 28   (5) 30

35. A cow is tethered in the middle of the field with a 14-foot-long rope. If the cow grazes 100 sq. ft. per day, then approximately what time will be taken by the cow to graze the whole field?

(1) 12 days   (2) 2 days   (3) 6 days   (4) 24 days   (5) 15 days

36. If a, $a + 2$, and $a + 4$ are prime numbers, then the number of possible solutions for a is

(1) 2   (2) 0   (3) 1   (4) 3   (5) 4

37. 1.14 is what percentage of 1.9 ?

(1) 60%   (2) 50%   (3) 40%   (4) 70%   (5) 30%

38. If the radius of a circle is diminished by 10%, then its area is

(1) 18%   (2) 10%   (3) 8%   (4) 15%   (5) 19%

39. Find the greatest number that will divide 43, 91 and 183 so as to leave the same remainder in each case.

(1) 9   (2) 4   (3) 7   (4) 13   (5) 15

40. Find the greatest number which when subtracted from 3000 is exactly divisible by 7, 11 and 13.

(1) 2099   (2) 1799   (3) 1999   (4) 2000   (5) 1899

41. A chess board has rows and columns marked A to H and 1 – 8. Aman has a knight and a rook which he has to place on the board such that the two pieces are not in same row or column, what is total number of ways he can place the two pieces?

(1) 3136   (2) 3072   (3) 2850   (4) 3330   (5) 2700

42. The HCF and LCM of the two numbers are 21 and 4641 respectively. If one of the numbers lies between 200 and 300 then the two numbers are:

(1) 282, 359   (2) 273, 361   (3) 273, 357   (4) 282, 357   (5) 273, 363

43. Five people out of whom only two can drive are to be seated in a five seater car with two seats in front and three in the rear. The people who know driving don't sit together. Only someone who knows driving can sit on the driver's seat. Find the number of ways the five people can be seated.

(1) 72   (2) 24   (3) 36   (4) 18   (5) 48

44. A train running at the speed of 60 km/hr crosses a pole in 9 seconds. What is the length of the train?

(1) 324 meters   (2) 120 meters   (3) 180 meters   (4) 150 meters   (5) 280 meters

45. What is the remainder when 4^{96} is divided by 6?

(1) 2   (2) 0   (3) 1   (4) 3   (5) 4

Directions for the question 46 to 47: Each of the questions given below consists of a statement and / or a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statement(s) is/are sufficient to answer the given question. Read both statements and

Give answer (A) if the data in Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question.
Give answer (B) if the data in Statement II alone are sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question.
Give answer (C) if the data either in Statement I or in Statement II alone are sufficient to answer the question.
Give answer (D) if the data even in both Statements I and II together are not sufficient to answer the question.
Give answer (E) if the data in both Statements I and II together are necessary to answer the question.

46. What is the length of a running train crossing another 180 metre long train running in the opposite direction?

I.	The relative speed of the two trains was 150 kmph.
II.	The trains took 9 seconds to cross each other.

(1) C   (2) A   (3) B   (4) D   (5) E

47. What is the speed of the train whose length is 210 metres?

I.	The train crosses another train (Howrah Express/12869) of 300 metres length running in opposite direction in 19 seconds.
II.	The train crosses another train (Howrah Express/12869) running in the same direction at the speed of 60 km/hr in 30 seconds

(1) C   (2) A   (3) B   (4) D   (5) E

48. Each of the questions given below consists of a question followed by three statements. You have to study the question and the statements and decide which of the statement(s) is/are necessary to answer the question.

What is the length of a running train P crossing another running train Q?

I.	These two trains take 18 seconds to cross each other.
II.	These trains are running in opposite directions.
III.	The length of the train Q is 180 metres.

(1) II and III only
(2) All I, II and III are required
(3) I and II Only
(4) I and III Only
(5) Even with I, II and III, the answer cannot be obtained.

49. Each of the questions given below consists of a question followed by three statements. You have to study the question and the statements and decide which of the statement(s) is/are necessary to answer the question.

What is the speed of the train?

I.	The train crosses a signal pole in 18 seconds.
II.	The train crosses a platform of equal length in 36 seconds.
III.	Length of the train is 330 metres.

(1) I and III only
(2) I and II only
(3) II and III only
(4) III and either I or II only
(5) II and either I or III only

50. Each of the questions given below consists of a question followed by three statements. You have to study the question and the statements and decide which of the statement(s) is/are necessary to answer the question.

If 8 men can do a piece of work in 25 days working 6 hours per day how many men will do the same work for 10 days working for 5 hours a day?

(1) 32   (2) 28   (3) 30   (4) 34   (5) 36

VERBAL ABILITY

1. The sentence is divided into four parts. Choose the part that is/are grammatically incorrect.

    A lot of research has been/ conducted on the field of human/ resources for understanding what creates/ work culture in an organisation.

    1. A lot of research has been
    2. conducted on the field of human
    3. resources for understanding what creates
    4. work culture in an organisation
    5. No error

    (1) 3   (2) 1   (3) 2   (4) 4   (5) 5

2. Find the correctly spelt word

    (2) Equinimity   (2) Equonimity   (3) Equanimity   (4) Equenimity   (5) Eqinimity

3. Pick out the nearest correct meaning or synonym of the word given below.

    MISERABLE

    (1) abject   (2) object   (3) obstruct   (4) abstract   (5) litigate

4. Select the pair with the same analogy

    DIVA: OPERA

    (1) conductor: bus   (2) producer: theatre   (3) director: drama
    (4) patient: hospital   (5) thespian: play

5. Pick out the word in each of the following set of words that is different

    poppy, mustard, sesame, linseed, castor

    (1) linseed   (2) poppy   (3) sesame   (4) castor   (5) mustard

6. Pick out the nearest correct meaning or synonym of the word given below

    ADVICE

    (1) practice   (2) council   (3) counsel   (4) proposal   (5) frustrate

7. Pick out the antonym of the word given below

    IMPLICATE

    (1) adore   (2) appease   (3) exonerate   (4) advocate   (5) glorify

8. Pick out the word in each of the following set of words that is different

    aristocracy, government, monarchy, oligarchy, plutocracy

    (1) monarchy   (2) government   (3) aristocracy   (4) oligarchy   (5) plutocracy

9. Read the passage and answer the question based on it.

    Worldwide illiteracy rates have consistently declined in the last few decades. One of the major reasons for this decline is the sharp increase of literacy rates among young women, which is a result of specific campaigns designed to increase educational opportunities for girls. However, there are still an estimated 771 million illiterate adults in the world, about two-thirds of who are women.

    Based on the above passage, the author would tend to agree with which of the following statements?

    (1) Worldwide, women need medical care more than the ability to read.

(2) Men and women should have equal access to education.
(3) Males have a greater need for higher education than women.
(4) It has been proven that women with increased education have fewer children.
(5) Women are having all opportunities.

10. Find the correctly spelt word

(1) Ominous   (2) Ommineous   (3) Omineous   (4) Omenous   (5) Ommenous

11. Pick out the nearest correct meaning or synonym of the word given below

HARMONY

(1) symmetry   (2) cemetery   (3) ceremony   (4) hierarchy   (5) gluttony

12. Pick out the word in each of the following set of words that is different

Mercury, Venus, Earth, Sun, Jupiter

(1) Earth   (2) Mercury   (3) Venus   (4) Sun   (5) Jupiter

13. Pick out the word in each of the following set of words that is different

wheat, barley, millet, gram, rice

(1) gram   (2) wheat   (3) barley   (4) millet   (5) rice

14. Which of the phrases given below the sentence should replace the word/phrase underlined in the sentence to make it grammatically correct? If the sentence is correct as it is given and no correction is required, select 'No correction required' as your answer.

In order to look taller, we should use pencils heels <u>instead</u> block heels.

(1) in spite of   (2) instead of   (3) despite of
(4) despite   (5) No correction required

15. Pick out the antonym of the word given below

VACILLATING

(1) indolence   (2) fascinating   (3) fanaticism   (4) resolute   (5) present

16. Pick out the antonym of the word given below

RECKLESS

(1) celebrated   (2) modest   (3) awkward   (4) cautious   (5) perfect

17. Identify the meaning of the underlined idiom.

I am scared to go back with him as he is a <u>road hog.</u>

(1) thief   (2) strict teacher   (3) reckless driver   (4) drunk   (5) dangerous

18. Select the pair with the same analogy

Thrust: Spear

(1) bow : arrow   (2) mangle : iron   (3) scabbard : sword   (4) fence : epee   (5) hot : cold

19. Select the pair with the same analogy

GRAVITY: PULL

(1) magnetism: attraction   (2) iron: metal   (3) north pole: direction
(4) dust: desert   (5) shard: pottery

20. Select the pair with the same analogy

Wan : Colour

(1) Insipid: Flavour   (2) Enigmatic: Puzzle   (3) Pallid: Complexion   (4) Corpulent: Weight   (5) Blade: Grass

21. Pick out the antonym of the word given below

ABANDON

(1) quit   (2) roost   (3) forfeit   (4) forsake   (5) wily

22. Pick out the antonym of the word given below

OFFEND

(1) repent   (2) ridicule   (3) affront   (4) please   (5) critisise

23. Find the correctly spelt word

(1) Aberrant   (2) Aberant   (3) Abbarant   (4) Abberant   (5) Abberrant

24. The sentence is divided into four parts. Choose the part that is/are grammatically incorrect.

One of the major problems with/ representative democracy is that/the business of government has/ become the privilege of few.

1. One of the major problems with
2. representative democracy is that
3. the business of government has
4. become the privilege of few
5. No error

(1) 3   (2) 1   (3) 2   (4) 4   (5) 5

25. Pick out the nearest correct meaning or synonym of the word given below.

PROBITY

(1) integrity   (2) insult   (3) indiscretion   (4) sight   (5) probability

26. Select the pair with the same analogy

PAIN : SEDATIVE

(1) trance : narcotic   (2) comfort : stimulant   (3) grief : consolation
(4) ache : extraction   (5) voice : vibration

27. Find the correctly spelt word

(1) Lackadisical   (2) Lckadaisicle   (3) Lackdaisical
(4) Lackadaisical   (5) Lackadiesical

28. Pick out the word in each of the following set of words that is different

lily, rose, morning glory, flowers, marigold

(1) morning glory   (2) lily   (3) rose   (4) flowers   (5) marigold

29. Directions for the question: A sentence is divided into four parts. Choose the part that is/are grammatically incorrect.

Those who want to do good are/ neither selfish nor in a hurry because/ they know what it requires a king/ time to impregnate people with good

1. Those who want to do good are
2. neither selfish nor in a hurry because

3. they know what it requires a king
4. time to impregnate people with good
5. No error

(1) 3   (2) 1   (3) 2   (4) 4   (5) 5

30. Pick out the nearest correct meaning or synonym of the word given below

UNLAWFUL

(1) illegitimate   (2) elicit   (3) draw   (4) illicit   (5) nimbus

31. Choose the option closest to the meaning of the given idiom

To talk shop

(1) Ridicule   (2) Talk about one's profession   (3) Talk about shopping
(4) Treat Lightly   (5) To make fun of someone

32. Find the correctly spelt word

(1) Entrepraneur   (2) Entrepreneur   (3) Entrapreneur
(4) Entrapraneur   (5) Enterprenuer

33. Which of the phrases given below the sentence should replace the word/phrase underlined in the sentence to make it grammatically correct? If the sentence is correct as it is given and no correction is required, select 'No correction required as your answer.

Riya quickly brushed her past without any sort of salutation.

(1) brushed past   (2) brushed past her   (3) brushed her
(4) brushed her teeth   (5) No correction required

Directions for the questions 34 to 37:

As the saying goes, competition brings out the best in products, and sometimes, the worst in people. In the case of Vendora, an automobile giant, the fuel emissions scandal has led to both bad products and unethical practices. The world's largest automaker by sales, with roots in industrious Germany, stooped low to gain a foothold in the US — the second largest auto market — and pip rival Turbox, to be the lead player by hook or crook. It rigged software that turned up dubious data in nearly 11 million vehicles sold over several years. The move cost the CEO his job, wiped off $24 billion in Vendora's market value, and the company will likely face billions in penalties.

The US implements stringent fuel emission standards. But, instead of conducting its tests, surprisingly, it relies on auto-makers for data. India too follows a similar procedure. where carmakers test vehicles at designated centres and send the results to the government for review and approval. It may be necessary to determine if our lax testing norms are/were exploited. With over 18 crore vehicles currently — likely to touch 45 crore in 2030 — India has notorious pollution levels and the onus is on the government to enforce strict regulations. As it is, our fuel emission norms are way behind developed nations that moved to Euro VI. Only 13 cities have Euro IV-compliant norms, while the rest of the country is stuck with Euro III.

If we were to enforce higher emission limits, chances are the difference between lab and real-world tests will vary widely. Hence, the government must rethink how emissions are tested. To reduce reliance on self-reported testing data, neutral third-party agencies with the necessary infrastructure can be roped in to conduct tests. While it may not be feasible for the authorities to scrutinize every vehicle, surprise checks, and audits should be undertaken to detect deceptions. The EU is taking steps in this direction in the wake of the Vendora episode. Much of the vehicular air pollution can be avoided by maintaining proper speed and as a first step, traffic-prone metros should be de-congested. Lastly, cheating should be dealt with severely to prevent it from becoming an industry-wide malpractice.

34. According to the passage, which move by Vendora deteriorated the image of the company?

(1) Manipulating the data of vehicles sold over the years.
(2) Playing with the data of vehicles sold over the years.

(3) Hiding the data of vehicles sold over the years.

(4) Publishing the data of vehicles sold over the years

(5) Auditing the data of vehicles sold over the years.

35. Vendora took advantage of which of the following factors?

(1) Lesser Competition in the automobile market.

(2) Stringent fuel emission norms.

(3) Lenient testing norms.

(4) Government testing vehicles at their centres.

(5) Abundance of labour in the market

36. According to the author of the passage, what can be the solution to enforce higher emission limits?

(1) Outsourcing the testing work to third-party neutral agencies having necessary infrastructure.

(2) Government doing testing of vehicles on its own.

(3) Carmakers doing testing of vehicles on its own.

(4) Government should create in-house team for testing vehicles.

(5) Having necessary infrastructure inhouse.

37. What does the author mean by the term 'industry-wide malpractice'?

(1) A few selected companies belonging to a particular industry following unethical practices.

(2) Most of the companies belonging to a particular industry following unethical practices.

(3) A single company belonging to a particular industry following unethical practices.

(4) All the industries in India following unethical practices.

(5) Some industries in India following unethical practices.

Directions for the questions 38 to 41:

The Indian middle class consists of so many strata that it defies categorization under a single term class, which would imply a considerable degree of homogeneity. Yet two paradoxical features characterize its conduct fairly uniformly; extensive practice and intensive abhorrence of corruption.

In several recent surveys of popular perceptions of corruption, politicians of course invariably and understandably top the list, closely followed by bureaucrats, policemen, lawyers, businessmen and others. The quintessential middle class. If teachers do not figure high on this priority list, it is not for lack of trying, but for lack of opportunities. Over the years, the sense of shock over acts of corruption in the middle class has witnessed a steady decline, as its ambitions for a better material life have soared but the resources for meeting such ambitions have not kept pace.

What is fascinating, however, is the intense yearning of this class for a clean corruptionless politics and society, a yearning that has again and again surfaced with any figure public or obscure, focus on his mission of eradicating corruption. Even the repeated failure of this promise on virtually every man's part has not subjected it to the law of diminishing returns.

38. Fill in the blank with suitable alternative.

The Indian Middle class is_____

(1) homogeneous   (2) defiant   (3) mysterious

(4) stratified   (5) ethical

39. Fill in the blank with suitable alternative.

The intense Middle Class intensely yearns for_____

(1) clean honest society   (2) better material resources

(3) extensive practice of corruption   (4) law of increasing returns

(5) better lifestyle

40. Fill in the blank with suitable alternative.

Teachers are not high on the list of corruption because they do not have_____

(1) Support   (2) Courage   (3) Opportunities   (4) Ambition   (5) Greed

41. Who figure on top of the list of corruption?

(1) teachers   (2) businessmen   (3) lawyers   (4) politicians   (5) policemen

Directions for the questions 41 to 46: Read the following passage carefully and answer the questions.

Banks in Australia have a certain upside-down quality to them. Their share prices broke free from the put that dragged down their international rivals during the 2006 financial crisis. In recent years, they have soared as others have sagged. now that big banks in other rich countries are regaining their pose, as in most of the global economy, it is the turn of Australia to slide. This topsy-turvy behaviour may yet continue given its worsening outlook. Serving a buoyant domestic economy with none to fierce competition, Australia's big four lenders are commonwealth Banks, National Australia Bank (NAB), ANZ and Westpac, used to delight shareholders with bumper dividends. However concerns over their balance sheets and exposure to Australia's housing market have caused their shares to dip. Investors fear that the exceptional circumstances underpinning the vibrant returns of recent years are coming to an end. The commodity "super-cycle" that boosted both Australia and its banks has fizzled. Unemployment is creeping up. The biggest concern is the health of bank's mortgage books. Home loans have been fabulously lucrative for Australian banks but this is changing. According to analysts, return on the top 50%, which would make an even precrisis wall. Street bankers happy. No wonder, then that domestic home loans now represent 40% to 60% of Australian banks assets, up from 15% to 30% in the early 90s. Mortgages in New Zealand account for another 5-10%. A growing number of loans are going to property speculators or to a homeowner paying back only the interest on their loan. Recent stress tests suggested that a property downturn would ravage banks. Regulators trot about the lack of diversification in banks, especially given their dependence on foreign money for funding. They want banks to curb growth in the riskiest mortgages and to finance them with more equity and less debt A government inquiry into the Australian financial system called for banks to be better capitalised. Collectively, Australian banks may need as much as $40 billion in fresh capital to meet regulatory demands. The big four are still highly profitable and their returns will remain better than most despite all the new equity they will have to raise. After all, banks around the world are being forced to fund themselves with more equity. Aussie borrowers are less likely to default on mortgages than American ones, as lenders have a claim on all their assets. not just the property in question. but there are other concems as well. Credit growth in Australia is slowing. Expansion into the crowded Asian market seems difficult which leaves little scope for diversification. If they can not make banks less dependent on mortgages, regulators will have to find other ways to make them safer.

42. Choose the word which is most nearly the opposite in meaning to the word 'Dip' as used in the passage?

(1) dry   (2) rise   (3) decline   (4) equal   (5) immense

43. What does the passage convey regarding banks in Australia?

(1) Australian banks have a huge number of defaulters.
(2) Bank assets are heavily concentrated in the housing sector.
(3) Australian banks are safe and are growing from strength to strength.
(4) Australian banks have invested to heavily in property markets of other countries
(5) The four banks are in imminent danger of collapse.

44. Choose the word which is most nearly the same in meaning to the word 'Bumper' as used in the passage?

(1) adequate   (2) buffer   (3) frequent   (4) impact   (5) huge

45. Which of the following is true in the context of the passage?

(1) Australian banks have a surplus of capital according to regulators
(2) Unemployment in Australia is on rise.
(3) Regulators are unwilling to enforce strict reforms on the banking sector.
(4) Australia's banks are still struggling to recover from the 2008 crisis.

(5) None of the given options is true in the context of the passage.

46. Choose the word which is most nearly the same in meaning to the word 'Ravage' as used in the passage?

(1) invade   (2) attack   (3) steal   (4) scam   (5) devastate

47. According to the passage, which of the following factors was/were responsible for the Australian economy's performance during the 2008 global crisis?

A) Australian banks invested in American hedge funds.
B) Australia inexperienced a comodity base.
C) Lack of investment in emerging markets
D) Choose the correct answer from the options given below:

(1) Only (B)   (2) Only (C)   (3) (A), and (B) only.
(4) (B) and (C) only.   (5) All (A), (B) and (C)

Directions for the questions 48 to 50: In the following questions, rearrange the given six sentences a, b, c, d, e and f in a proper sequence so as to form a meaningful paragraph and then answer the given questions.

1. "Anything that you touch will turn into gold'-The king was delighted with his good fortune.
2. Even though he was very rich he always craved for more and more.
3. Everything he touched turned into gold. He turned trees, grass, fables, chairs, flower, and vases into gold.
4. One Day, he called his court magician and commanded, find me a spell that can get me more treasures than already have.
5. King Midas was a very greedy king.
6. The magician said, "Your majesty, I can give you a power that no one else in this world has'.

48. Which of the following should be the third sentence after the rearrangement?

(1) c   (2) a   (3) b   (4) d   (5) e

49. Which of the following should be the sixth (last) sentence after the rearrangement?

(1) c   (2) a   (3) b   (4) d   (5) e

50. Which of the following should be the First sentence after the rearrangement?

(1) c   (2) a   (3) b   (4) d   (5) e