Directions (1-2) : Study the following information carefully to answer these questions.

A vehicle starts from point P and run 10 km towards North. It takes a right turn and runs 15 km. It now runs 6 km after taking a left turn. It finally takes a left turn, runs 15 km and stops at point Q.

1. How far is point Q with respect to point P?
(1) 16 km   (2) 25 km   (3) 4 km
(4) 0 km   (5) None of these

2. Towards which direction was the vehicle moving before it stopped at point Q?
(1) North   (2) East   (3) South
(4) West   (5) North - West

3. Five students participated in an examination and each scored different marks. Nidhi scored higher than Mamta. Kavita scored lower than Prashant but higher than Nidhi. Anil's score was between Mamta and Nidhi. Which of the following pairs represents the highest and the lowest scores respectively?
(1) Nidhi, Kavita   (2) Kavita, Mamta
(3) Anil, Kavita   (4) Prashant, Mamta
(5) None of these

Directions (4 – 8): Each of the questions below consists of a question and two statements numbered I and II arte given below it. You hav eto decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and
Give answer (1) 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 (2) 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 (3) If the data in Statement I alone or in Statement II alone are sufficient to answer the question.
Give answer (4) If the data in both the statements I and II are not sufficient to answer the question.
Give answer (5) If the data in both the Statements I and II together are necessary to answer the question.

4. On which month of the year was Divya born?
I. Her mother correctly remembers that Divya was born after June and before September.
II. Her father correctly remembers that she was born after March and before August.

5. What is the code for 'those' if in a certain language 'those lovely red roses' is written as 'pe so la ti' ?
I. 'ni jo ke pe' means 'stopped at red light'.
II. 'ba di ti ga' means 'roses are very pretty and 'fo hi la' means 'lovely day outside'.

6. What is Sumit's rank from the top in a class of 50 students?
I. Ajay is 6 ranks below Sumit and is twenty-ninth from the bottom.
II. Ashu is 4 ranks above Sumit and is thirty-fifth from the bottom.

7. How many sisters does Mala have ?
I. The only brother of Mala's father has only one niece.
II. The son of the husband of Mala's mother has two siblings.

8. Who among A, B, C and D is sitting next to A if all the four are sitting in a straight line facing North ?
I. A does not sit next to D who does not sit next on the extreme right.
II. None sit to the left of A and on the right of B, while only one person sits between C and B.

Directions (9-13): Study the following information carefully and answer the given questions.

P, Q, R, S, T,V and W are seven students of a school. Each of them studies in a different standard – from Standard IV to Standard X – not necessarily in the same order. Each of them has a favorite subject viz English, History, Geography, Mathematics, Hindi and Sanskrit but not necessarily in the same order.

Q studies in VII standard and does not like either Mathematics or Geography. R likes English and does not study either V or in IX. T studies in VII standard and likes Hindi. The one who likes Science studies in X standard. S studies in IV standard. W likes Sanskrit. P does not study in X standard. The one who likes Geography studies in V standard.

9. In which standard does W study?
(1) VII   (2) IX   (3) X
(4) Data inadequate (5) None of these

10. Which subject does P like?
(1) Geography   (2) Mathematics (3) English
(4) History   (5) None of these

11. Which subject does S like?
(1) History   (2) Geography   (3) Mathematics
(4) Data Inadequate (5) None of these

12. In which standard does P study ?
(1) IV   (2) VII   (3) IX
(4) X   (5) None of these

13. Which of the following combinations of students-standard-subject is correct?
(1) T – VIII – Mathematics   (2) W – VII - Sanskrit
(3) Q – VII - Geography   (4) V – X – Science
(5) None of these

14. How many meaningful English words can be formed with the letters MASTE using each letter only once in each word?
(1) None   (2) One   (3) Two
(4) Three   (5) More than three

15. In a certain code SAFER is written as 5@3 # 2 and RIDE is written as 2©%#, how is FEDS written in that code?
(1) 3#©5   (2) 3@%5   (3) 3#%5
(4) 3#%2   (5) None of these

16. Pointing to a woman, Nirmal said, "She is the daughter of my wife's grandfather's only child." How is the woman related to Nirmal?
(1) Wife   (2) Sister – in – law
(3) Sister   (4) Data inadequate
(5) None of these

Directions (17-22) : 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 (1) , (2) , (3) , (4) and (5) is correct and indicate it on the answer sheet.

17. Statements
All belts are rollers.   Some rollers are wheels.
All wheels are mats.   Some mats are cars.
Conclusions:
I. Some mats are rollers.   II. Some mats are belts.
III. Some cars are rollers.   IV Some rollers are belts.
(1) Only I and II follow
(2) Only I, III and IV follow
(3) Only I and IV follow
(4) Only II, III and IV follow
(5) None of these

18. Statements
Some tyres are rains.   Some rains are flowers.
All flowers are jungles.   All jungles are tubes.
Conclusions:
I. Some jungles are tyres.   II. Some tubes are rains.
III. Some jungles are rains.
IV. Some tubes are flowers.
(1) Only I, II and III follow
(2) Only II, III and IV follow
(3) Only I, III and IV follow
(4) All follow
(5) None of these

19. Statements
All desks are chairs.   All chairs axe tables.
All tables are boxes.   All boxes are trunks.
Conclusions:
I. Some trunks are tables.   II. All chairs are boxes.
III. Some boxes are desks.   IV. P All desks are trunks.
(1) Only I ,II and III follow
(2) Only I, II and IV follow
(3) Only II, III and IV follow
(4) All follow
(5) None of these

20. Statements
Some birds are goats.   Some goats are horses.
Some horses are lions.   Some lions are tigers.
Conclusions
I. Some tigers are goats.   II. No tiger is goat.
III. Some lions are birds.   IV No lion is bird.
(1) Only either I or II follows
(2) Only either III or IV follows
(3) Only either I or II and either III or IV follow
(4) Only I and III follow
(5) None of these

21. Statements :
All papers are bottles.   All bottles are cups.
Some cups are jugs.   Some jugs are plates.

Conclusions:
I. Some plates are cups.
II. Some plates are bottles.
III. Some cups are papers.
IV Some bottles are papers. '
(1) Only III and IV follow   (2) Only I and II follow
(3) Only I and III follow   (4) Only II and IV follow
(5) None of these

22. Statements
All bulbs are wires.   No wire is cable.
Some cables are brushes.   All brushes are paints.
Conclusions:
I. Some paints are cables.   II. Some wires are bulbs.
III. Some brushes are wires. IV Some cables are bulbs.
(1) None follows   (2) Only I & II follow
(3) Only II follows   (4) Only III follows
(5) Only IV follows

Directions (23-28) : 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 : but 32 71 glory fair south 65 84
Step I south but 32 71 glory fair 65 84
Step II south 84 but 32 71 glory fair 65
Step III south 84 glory but 32 71 fair 65
Step IV : south 84 glory 71 but 32 fair 65
Step V : south 84 glory 71 fair but 32 65
Step VI : south 84 glory 71 fair 65 but 32
and Step VI is the last step of the rearrangement. As per the rules followed in the above steps, find out in each of the following questions the appropriate step for the given input.

23. Step III of an input is: **year 92 ultra 15 23 strive house 39**
How many more steps will be required to complete the rearrangement?
(1)Three   (2) Four   (3)Two
(4) Five   (5) None of these

24. Input: **any how 49 24 far wide 34 69**
Which of the following steps will be the last but one
(1) VI   (2) VII   (3) V
(4) VIII   (5) None of these

25. Step II of an input is: **town 74 pair 15 31 nice job 42**
Which of the following is definitely the input
(1) pair   15 31 town nice job 42 74
(2) pair   15 town 31 74 nice job 42
(3) pair   15 town 74 31 nice job 42
(4) Cannot be determined
(5) None of these

26. Input: **play over 49 37 12 match now 81**
Which of the following will be step IV
(1) play 81 over 49 37 match now
(2) play 8 over 49 37 12 match now
(3) play 81 over 49 now 37 match 12
(4) There will be no such step
(5) None of these

27. Step II of an input is : **war 58 box cart 33 49 star 24**
Which of the following steps will be the last
(1)V   (2)VI   (3) IV
(4) VII   (5) None of these

28. Input: **shower fall water 34 51 67 98 goal.**
How many steps will be required to complete the rearrangement?
(1) Three   (2) Four   (3) Six

(4) Five   (5) None of these

Directions (Qs. 29 to 34) : In the following questions, the symbols ©, @, $, % and * are used with following meanings as illustrated below

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

In each question four statements showing relationship have been given, which are followed by four conclusions I, II, III & IV. Assuming that the given statements are true, find out which conclusion(s) is /are definitely True.

29. Statements: M © D, D * K, K @ R , R * F
Conclusions :
I. F©K   II. D * F   III. M © R   IV D * R
(1) None is true   (2) Only I is true
(3) Only II is true   (4) Only III is true
(5) Only IV is true

30. Statements: B%K, K$ T, T* F ,H© F
Conclusions
I. B$T   II. T©B   III. H © K   IV. F © B
(1) Only either I or II is true
(2) Only III is true
(3) Only IV is true
(4) Only III and IV are true
(5) Only III and IV and either I or II are true

31. Statement: W * B, B@ F, F © R, R $ M
Conclusions
I W*F   II. M * B   III. R * B   IV. M* W
(1) Only and IV are true
(2) Only II and III are true
(3) Only I and III are true
(4) Only II and IV are true   (5) None of these

32. Statements: E@ K, K $ T', T © N,.B % N
Conclusions
I. T%E   II. K©N   III. B * T   IV. B * E
(I) Only I, II and III are true
(2) Only II, III and IV are true
(3) Only I, III and IV are true
(4) All are true   (5) None of these

33. Statements : Z $ B, B % M, M © F, F @ R
Conclusions
I. Z*M   II. F * B   III R*M   IV. M @ Z
(1) Only I and II are true
(2) Only I, III and IV are true
(3) Only III and IV are true
(4) Only either I or IV and III are true
(5) None of these

34. Statements: H@T   , T $ N, F © N, B%F
Conclusions
I. F@H   II. F©T   III. B * T   IV. B % H
(1) None is true   (2) Only I is true
(3) Only II is true   (4) Only III and IV are true
(5) Only II and III are true

Directions (35–40): Study the following information to 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, P, Q, R, S , T and V are seated and all of them are facing South, and in row 2 A, B, C, D, E and F 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.

A sits third to right of D. Neither A nor D sits at extreme ends. T faces D. V does not face A and V does not sit at any of the extreme ends. V is not an immediate neighbor of T. B sits at one of the extreme ends. Only two people sit between B and E. E does not face V. Two persons sit between R and Q. R is not a immediate neighbor of T. C does not face V. P is not an immediate neighbour of R.

35. Who amongst the following sit at extreme ends of the rows?
(1) B, E   (2) S,T   (3) P,R
(4) B, F   (5) None of these

36. Who amongst the following faces A?
(1) R   (2) T   (3) P
(4) Q   (5) S

37. How many persons are seated between T and S?
(1) One   (2) Two   (3) Three
(4) Four   (5) None

38. P is related to V in the same way as C is related to F. Which of the following is E related to , following the same pattern?
(1) B   (2) D   (3) C
(4) A   (5) None of these

39. Which of the following is true regarding F?
(1) F sits second to right of C.
(2) F is not an immediate neighbour of A.
(3) F sits third to left of D
(4) F sits at one of the extreme ends of the line.
(5) F faces V.

40. Who amongst the following sits exactly between P and Q?
(1) R   (2) V   (3) S
(4) T   (5) Cannot be determined

Direction (41-45): In each question below is given a statement followed by two courses of action numbered I and II. A course of action is a step or administrative decision to be taken for improvement, follow – up or further action in regard to the problem, policy etc on the basis of the information given in the statement. You have to assume everything in the statement to be true. Then decide which of the two given suggested courses of action logically follows for pursuing. Give answer
(1) If only I follows   (2) If only II follows
(3) If either I or II follows
(4) If neither I nor II follows.
(5) If both I and II follow

41. Statement: Severe draught is reported to have set in several parts of the country.
Courses of Action:
I. Govt. should immediately make arrangement for providing financial assistance to those affected.
II. Food, water and fodder should immediately be sent to all these areas to save the people and cattle.

42. Statement: A larger number of lower ranked politicians are murdered by anti-social elements in City A.
Courses of Action:
I. All those in the city with criminal records should immediately be arrested.
II. The city police should keep a close vigil on the movements of antisocial elements so as to prevent future attacks.

43. Statement: It is reported that though Vitamin E present in fresh fruits and fresh vegetables is beneficial for human body, capsule Vitamin E does not have same effect on human body.

Courses of Action:

I. The sale of capsule Vitamin E should be banned.

II. People should be encouraged to take fresh fruits and fresh vegetables to meet the body requirement of Vitamin E.

44. Statement: India has been continuously experiencing military threats from its neighbouring countries.

Courses of Action:

I. India should engage into an all-out war to stop the nagging threats.

II. India should get the neighbours into a serious dialogue to reduce the tension at its borders.

45. Statement: India has now been recognised by the Western World as a vast resource of knowledge and are eager to use the same.

Courses of Action:

I. India should exploit this opportunity to hasten its economic growth.

II. India should bargain effectively with the Western World and become a super power in South Asia.

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

1) if only conclusion 1 follows
2) if only conclusion It follows
3) if either I or It follows
4) if neither I nor It follows, and
5) If both land It follow

46. Statement: Although we have rating agencies like Crisil, ICRA, there is demand to have a separate rating agency of IT companies to protect investors.

Conclusions:

I. Assessment of financial worth of IT Companies calls for separate, set of skills, insight and competencies.

II. Now the investors investing in IT companies will get protection of their investment.

47. Statement: Company "Y" will improve the manufacturing facilities for the production of shaving kits as a result of which capacity would increase and cost would be reduced. -- A spokesperson of the Company "Y"
Conclusions:

Conclusions:

I. The products of Company "Y" will compete the market norms in the quality and cost factor.

II. There will be demand of shaving kits of Company "Y"

48. Statement: During 1997-98 the total loss incurred by the Ill Public Sector Units was to the tune of Rs 6809 crate which was converted into paid capitals by the Government of its total investment of Rs 5129 crore.
Conclusions:

Conclusions:

I. The Government is left with only one option, that is, to privatise these units.

II. The Government did not take care in the matter of investments in these public sector units.

49. Statement: Population increase coupled with depleting resources is going to be the scenario of many developing countries in days to come.

Conclusions:

I. The population of developing countries will not continue to increase in future.

II. It will be very difficult for the governments of developing countries to provide its people decent quality of life.

50. Statement: Mr. X is one of the probable candidates shortlisted for the post of Director of KLM Institute.
Conclusions:

Conclusions:

I. Mr. X will be selected as Director of KLM Institute.

II. Mr. X will not be selected as Director of KLM Institute