

REASONING

Directions (1-6) : Study the following information carefully and answer the given questions :

Eight people - A, B, C, D, E, F, G and H- are sitting around a circular table facing towards the centre, but not necessarily in the same order. All of them are at equidistant. Each one of them teaches different subjects viz., English, Hindi, Mathematics, Biology, Psychology, Physics, Chemistry and Accounts, but not necessarily in the same order.

The person who teaches Accounts, sits third to the right of G. C is an immediate neighbour of G. The person who teaches Mathematics sits second to the left of C. B sits third to the right of H. H teaches neither Accounts nor Mathematics. Only two persons sit between C and the person who teaches Physics. A and F are immediate neighbours of each other. Neither A nor F teaches Accounts. The person who teaches English sits second to the right of A. Two persons sit between D and the person who teaches Hindi. D does not teach Accounts. The person who teaches Psychology is an immediate neighbour of the person who teaches Accounts. The person who teaches Physics sits second to the left of A. One of the immediate neighbours of G teaches Chemistry.

1. Who among the following teaches Chemistry?

- (1) A (2) H
(3) D (4) G
(5) None of these

2. What is the position of B with respect to the person who teaches Psychology?

- (1) Second to the left
(2) Third to the right
(3) Third to the left

(4) Second to the right

(5) None of these

3. Who among the following sits exactly between the person who teaches Biology and the person who teaches Physics?

- (1) The person who teaches Mathematics
(2) E
(3) The person who teaches Accounts
(4) Cannot be determined
(5) There is no such person

4. Which of the following subjects does E teach?

- (1) Chemistry
(2) Hindi
(3) Accounts
(4) English
(5) None of these

5. Which of the following statements is true with regard to the given sitting arrangement?

- (1) The person who teaches Hindi is an immediate neighbour of both H and D.
(2) One of the immediate neighbours of F teaches Biology
(3) E is sitting exactly between B and the person who teaches Mathematics
(4) The person who teaches Chemistry is second to the right of E
(5) All are true

6. Four of the following five are alike in a certain way based on the given sitting arrangement and hence form a group. Which is the one that **does not** belong to the group?

- (1) CF (2) GA
(3) BD (4) EH
(5) BA

Directions (7-11) : Study the following information carefully and answer the given questions :

Twelve persons are sitting in two parallel rows containing six persons each, in such a way that there is an equal distance between adjacent persons. In Row-1, A, B, C, D, E and F are seated (but not necessarily in the same order) and all of them are facing south. In Row-2, P, Q, R, S, T and U are seated (but not necessarily in the same order) and all of them are facing north. Therefore, in the given sitting arrangement each person seated in a row faces another person of the other row.

S sits third to the right of U. S does not sit at any extreme end. Two persons sit between P and Q. T sits third to the left of U. R is not an immediate neighbour of U.

F sits third to the right of D. C does not sit at any extreme end. One person sits between B and D. D sits second to the left of C. C is not an immediate neighbour of B and A.

7. Who among the following are sitting at the extreme ends of any row?

- (1) ST (2) EB
(3) FB (4) TP
(5) DE

8. What is the position of S with respect to R?

- (1) Third to the right
(2) Second to the right
(3) Third to the left
(4) Second to the left
(5) Fourth to the right

9. Four of the following five are alike in a certain way based on their sitting arrangement and hence form a group. Which one does not belong to the group?

- (1) CR (2) BQ
(3) FT (4) AS
(5) EU

10. What is the position of A with respect to E?
 (1) Second to the right
 (2) Second to the left
 (3) Third to the left
 (4) Third to the right
 (5) Immediate left

11. If all the six persons of Row-1 (A, B, C, D, E and F) are asked to sit in an alphabetical order from left to right, the positions of how many will remain unchanged as compared to their original sitting position?

- (1) None (2) Two
 (3) Three (4) One
 (5) More than three

Directions (12-15) : In each of the questions below, three statements are given followed by two conclusions numbered I and II. You have to take the three statements to be true even if they seem to be at variance from the commonly known facts and then decide which of the given conclusions logically follows from the given statements disregarding the commonly known facts.

Give answer (1) if only conclusion I follows.

Give answer (2) if only conclusion II follows.

Give answer (3) if either conclusion I or II follows.

Give answer (4) if neither conclusion I nor II follows.

Give answer (5) if both conclusions I and II follow.

(12-13) :

Statements :

- All diamonds are stones.
 All stones are gems.
 No gem is a diamond.

12. Conclusions :

- I. All gems are stones.
 II. All diamonds are gems.

13. Conclusions :

- I. No gem is a diamond.
 II. No diamond is a stone.

14. Statements :

- No day is night.
 All nights are noons.
 No noon is evening.

Conclusions :

- I. No day is noon.
 II. No night is evening.

15. Statements :

- All jackets are trousers.
 No trouser is shirt.
 Some shirts are caps.

Conclusions :

- I. Some caps are jackets.
 II. Some shirts are jackets.

Directions (16-20) : Study following information to answer the given questions :

Six people - C, D, E, F, G and H- are standing in a straight line facing north not necessarily in the same order. D is standing second to the right of F. C is standing fourth to the left of H and H is not standing on the extreme end of the line. E is standing second to the right of D.

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

- (1) Immediate left
 (2) Second to the left
 (3) Third to the left
 (4) Third to the right
 (5) None of these

17. Which of the following pairs represents the people standing at the extreme ends of the line?

- (1) FH (2) CE
 (3) DE (4) CH
 (5) None of these

18. Who is standing second to the right of C ?

- (1) F (2) D
 (3) G (4) E
 (5) None of these

19. Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which of the following does not belong to the group ?

- (1) CG (2) GE
 (3) GH (4) DE
 (5) FD

20. If all the people are asked to stand in an alphabetical order from left to right, the positions of how many will remain unchanged ?

- (1) One (2) Two
 (3) Three (4) None
 (5) None of these

question below is given a statement followed by three courses of action numbered I, II and III. 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 suggested courses of action logically follow(s) for pursuing.

21. **Statement :** The major road connecting the two main parts of the city is inundated due to heavy rains during past two days.

Courses of action :

- I. The government should immediately send a relief team to the affected area.
 II. The municipal authority should make immediate effort to pump out water from the road.
 III. The municipal authority should advise the general public to stay indoors till the water is cleared.

- (1) Only I follows
 (2) Only I and II follow
 (3) Only I and III follow
 (4) Only II and III follow
 (5) None of these

22. **Statement :** The prices of essential commodities have gone up substantially during the past few weeks.

Courses of action :

- I. The government should set up an expert committee to study the trend of prices.
 II. The government should immediately abolish taxes on essential commodities.
 III. The government should advise the general public to refrain from purchasing essential commodities for few days.

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

23. Statement : Large number of students of the local school fell ill after having their midday meal provided by the school.

Courses of action :

- I. The government should immediately suspend the school Principal.
 - II. The school authority should initiate an enquiry to find out the reason for students' sickness.
 - III. The government should instruct all the schools to suspend their midday meal scheme till further order.
- (1) Only I follows
 - (2) Only II follows
 - (3) Only III follows
 - (4) Only II and III follow
 - (5) None of these

24. Statement : Many people living in the slums of western part of the town are diagnosed to be suffering from malaria.

Courses of action :

- I. The municipal corporation should immediately make necessary arrangements to spray mosquito repellent in the affected area.
 - II. The municipal authority should immediately make necessary arrangements to provide quick medical help to the affected people.
 - III. The municipal authority should take steps to shift all the people staying in the slums of western part of the town to other areas.
- (1) Only I follows
 - (2) Only II follows
 - (3) Only I and II follow
 - (4) All I, II and III follow
 - (5) None of these

25. Statement : Many teachers of the local school have rendered their resignation to the Principal to protest the management's decision for not implementing revised pay scales.

Courses of action :

- I. The school management should accept the resignations and appoint new teachers.

II. The school management should persuade the teachers to continue with an assurance of considering the pay hike issue.

III. The school management should approach the government for guidelines.

- (1) None follows
- (2) Only either I or II follows
- (3) Only III follows
- (4) Only I follows
- (5) Only II follows

26. Statement : The Government has decided to construct an eight-lane super highway across the state to facilitate fast movement of vehicles.

Which of the following can be an **assumption** which is implicit in the above statement?

- (1) The Government has adequate resources to construct the proposed super highway
- (2) The people of the state may protest against the Government's decision as their farm land will be taken over by the Government for constructing the highway.
- (3) The Government may find it difficult to enrol a suitable contractor for constructing the highway.
- (4) There is no other highway which can be used for transportation of goods across the state
- (5) None of these

27. In a certain code CONQUER is written as MNBQDQ. How is STEAMER written in that code ?

- (1) DRSBQDL
- (2) DSRBLDQ
- (3) DSRZQDL
- (4) DSRBQDL
- (5) None of these

28. How many such pairs of letters are there in the word ADJUSTING each of which has as many letters between them in the word as in the English alphabet ?

- (1) None
- (2) One
- (3) Two
- (4) Three
- (5) More than three

29. W walked 30 metres towards South, took a left turn and walked 50 metres, again he took a left turn and walked 30 metres. How far is he from the starting point ?

- (1) 80 metres
- (2) 100 metres
- (3) 130 metres
- (4) 50 metres
- (5) None of these

30. Cause : A severe cyclonic storm swept away most part of the state during the last two days.

Which of the following cannot be a **possible effect** of the above cause ?

- (1) Heavy rainfall was reported in most part of the state during the last two days.
- (2) Many people were rendered homeless as their houses were blown away.
- (3) The communication system of the state was severely affected and continues to be out of gear.
- (4) Government has ordered that all the offices and schools should be kept open.
- (5) All are possible effects.

31. Effect : The temple at the religious site wears a deserted look with the number of devotees trickling down.

Which of the following can be a **possible cause** of the above effect?

- (1) A structural engineer had visited the temple a month back and had declared the structure unsafe.
- (2) The temple is facing a drastic depletion of its funds which had accumulated over the years due to offerings made by devotees.
- (3) The local corporation decided to donate a huge amount of money to the temple for its renovation.
- (4) The village housing the religious site has qualified priests to perform religious ceremonies.
- (5) A famous actor recently visited the temple and paid his respects to the deity.

32. Statement : The constable is to be recommended for a suitable reward by his superior in recognition of his sincere duty and busting of several gangs of criminals actively involved in the loot and incidents of pick-pocketing.

Which of the following can be a possible **assumption** of the above statement ?

- (1) The superior is certain that the recommendation would be denied.
- (2) The number of criminals apprehended by this particular constable was exceptionally high.
- (3) The constable desires to be monetarily compensated for his efforts.
- (4) The superior wants to set an example for his other juniors by recommending the reward.
- (5) Rewards recognising the sincerity and accomplishments of policemen are given.

33. Which of the following groups of alphabets should replace the blank spaces so that the group of alphabets, given in **bold**, follow a logical pattern from the preceding and the following group of alphabets ?

bw — yza dstuv — opqre

- (1) x, e, d (2) x, c, f
- (3) v, e, f (4) x, c, d
- (5) x, e, n

Directions (34) : Read the following statements carefully and answer the questions which follow.

34. According to a recent government directive, all bank branches in rural areas should be computerized.

Which of the following statements would **weaken** the government's argument ?

- (1) Computerisation of bank branches in urban areas has helped in making their performance more efficient and fast.

(2) Lack of skilled and qualified manpower has been suitably substituted by computers in banks.

(3) Non-computerised bank branches in the rural areas have been proved to be as efficient as their computerized counterparts.

(4) The government has introduced a special test for computer knowledge in all recruitment exams for banks.

(5) Unemployment in the rural areas could be controlled by training more and more professionals in computers.

35. If 'B × C' means 'B is the daughter of C', 'B + C' means 'B is the husband of C' and 'B - C' means 'B is the sister of C', then what does 'M + N - P × Q' mean ?

- (1) M is the brother-in-law of Q
- (2) M is the uncle of Q
- (3) M is the son-in-law of Q
- (4) Q is the mother-in-law of M
- (5) None of these

Directions (36-40) : Study the following information carefully and answer the questions given below :

Following are the conditions for selecting Marketing Manager in an organisation :

The candidate must :

- (i) be at least 30 years old as on 01.03.2013
- (ii) have secured at least 55 per cent marks in graduation
- (iii) have secured at least 60 per cent marks in Post graduate Degree/Diploma in Marketing.
- (iv) have post qualification work experience of at least five years in the Marketing Division of an organisation.
- (v) have secured at least 45 per cent marks in the selection process.

In the case of a candidate who satisfies all other conditions **except —**

(A) at (iv) above, but has post qualification work experience of at least two years as Deputy Marketing Manager. The case is to be referred to GM-Marketing.

(B) at (ii) above, but has secured at least 65 per cent marks in Post graduate Degree/Diploma in Marketing Management. The case is to be referred to Vice President-Marketing.

In each question below is given details of one candidate. You have to take one of the following courses of actions based on the information provided and the conditions and sub-conditions given above and mark your answer accordingly. You are not to assume anything other than the information provided in each question. All these cases are given to you as on 01.03.2013.

Mark answer (1) if the candidate is not to be selected.

Mark answer (2) if the candidate is to be selected.

Mark answer (3) if the data are inadequate to take a decision.

Mark answer (4) if the case is to be referred to Vice President - Marketing.

Mark answer (5) if the case is to be referred to GM-Marketing.

36. Suresh Mehta has secured 58 per cent marks in graduation. He was born on 19th May, 1979. He has secured 50 per cent marks in the selection process. He has been working for the past seven years in the Marketing division of an organisation after completing his Post Graduation with 62 per cent marks.

37. Sudha Gopalan has secured 50 per cent marks in both selection process and graduation. She has been working for the past six years in the Marketing division of an organisation after completing her Post Graduate Diploma in Marketing with 70 per cent marks. She was born on 14th October, 1982.

38. Divya Kohli has been working for the past five years in Marketing division of an organisation after completing her Post Graduate Diploma in Marketing with 65 per cent marks. She has secured 55 per cent marks in graduation and 50 per cent marks in the selection process. She was born on 2nd April, 1979.

39. Navin Marathe was born on 8th April, 1979. He has secured 60 per cent marks in both graduation and Post-Graduate Degree in Marketing. He has been working for the past six years in the Marketing division of an organisation after completing his PG Degree in Marketing. He has secured 50 per cent marks in the selection process.

40. Varun Malhotra was born on 3rd July, 1980. He has been working as Deputy Marketing Manager in an organisation for the past three years after completing his Post Graduate Degree in Marketing with 65 per cent marks. He secured 55 per cent marks in both graduation and selection process.

Directions (41-45) : Study the following information to answer the given questions :

In a certain code 'it is rush hour traffic' is written as 'sa le do mi ru' 'go to school' is written as 'be no pa', 'one hour to go' is written as 'mi fi pa be', 'rush to one' is written as 'fi be sa' and 'traffic is fine' is written as 'ga ru do'.

41. Which of the following represents 'school hour go fine' ?
 (1) pa be fi ga
 (2) no mi ra pa
 (3) pa no ga mi
 (4) ga no mi le
 (5) None of these
42. 'mi fi le' would mean —
 (1) it one to
 (2) to rush one
 (3) rush hour it
 (4) it one hour
 (5) None is correct

43. What does 'sa' stand for?
 (1) rush (2) traffic
 (3) it (4) is
 (5) None of these
44. Which of the following may represent 'traffic is for one hour' ?
 (1) fi ye no mi ru
 (2) fi le do mi ru
 (3) fi ye do mi ru
 (4) fi so do mi ro
 (5) None of these
45. What does 'do' stand for?
 (1) hour (2) 'is' or 'traffic'
 (3) it (4) is
 (5) None of these

Directions (46- 50) : Study the following information carefully and answer the given questions.

Seven flights namely Jet Airways, British Airways, Delta, Quantas, Emirates, Lufthansa, Air India are scheduled to fly to London. There is only one flight to London on each of the seven days of the week, starting from Monday and ending on Sunday.

Delta flies on Wednesday. Air India flies the day next to British Airways. British Airways does not fly on Monday or Friday. Two airlines fly between the days British Airways and Emirates fly. Emirates does not fly on Sunday. Quantas flies a day before Lufthansa.

46. On which of the following days does Jet Airways fly ?
 (1) Friday (2) Sunday
 (3) Tuesday (4) Thursday
 (5) None of these
47. How many flights fly between Lufthansa and Delta ?
 (1) None (2) One
 (3) Two (4) Three
 (5) Five
48. Which of the following flights flies on Friday ?
 (1) Air India (2) Quantas
 (3) Emirates (4) Lufthansa
 (5) Jet Airways
49. If Delta postpones its flight to Sunday owing to some technical reasons and all the flights scheduled for Thursday to Sunday are now made to take off a day ahead of the schedule,

- which of the following flights would now fly on Friday?
 (1) Lufthansa
 (2) Jet Airways
 (3) British Airways
 (4) Air India (5) Quantas
50. If Emirates is related to British Airways and Delta is related to Quantas in a certain way based upon the given flight schedule, then Jet Airways will be related to which of the following based upon the same relationship ?
 (1) Lufthansa (2) Quantas
 (3) Delta (4) Air India
 (5) None of these