

Reasoning Ability

- 'Mustard' is related to 'Seed' in the same way as 'Carrot' is related to
 - Fruit
 - Stem
 - Flower
 - Root
 - None of these
- How many meaningful English words can be formed made with the letters ESTR using each letter only once in each word ?
 - None
 - One
 - Two
 - Three
 - More than three
- Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group ?
 - Cup
 - Jug
 - Tumbler
 - Plate
 - Pitcher
- Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group ?
 - Copper
 - Mercury
 - Iron
 - Aluminium
 - Zinc
- 'FI' is related to 'LO' in the same way as 'PS' is related to
 - VY
 - VZ
 - WZ
 - UX
 - None of these
- Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group ?
 - 217
 - 143
 - 241
 - 157
 - 181
- K is brother of T. M is mother of K. W is brother of M. How is W related to T ?
 - Maternal uncle
 - Paternal uncle
 - Grandfather
 - Data inadequate
 - None of these
- 'Gram' is related to 'Mass' in the same way as 'Centimetre' is related to
 - Area
 - Volume
 - Length
 - Sound
 - Energy
- Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group ?
 - 12
 - 28
 - 52
 - 68
 - 96
- If 'white' means 'black', 'black' means 'red', 'red' means 'blue', 'blue' means 'yellow' and 'yellow' means 'grey'; then which of the following represents the colour of clear sky ?
 - Blue
 - Red
 - Yellow
 - Cannot be determined
 - None of these
- How many such pairs of letters are there in the word STAPLER each of which has as many letters between them in the word as in the English alphabet ?
 - None
 - One
 - Two
 - Three
 - More than three
- In a certain code, MODEL is written as '513#2' and DEAR is written as '3#%8'. How is LOAD written in that code ?
 - 21%3
 - 23%1
 - 25%3
 - 21#3
 - None of these
- Town D is to the West of town M. Town R is to the South of town D. Town K is to the East of town R. Town K is towards which direction of town D ?
 - South
 - East
 - North-East
 - South-East
 - None of these

14. How many such digits are there in the number 5261983 each of which is as far away from the beginning of the number as when the digits are arranged in ascending order within the number ?

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

15. What should come next in the following letter series ?

HGFEDCBAHGFE DCBHGFE DC

- (1) F (2) G
 (3) B (4) A
 (5) None of these

Directions (Q. 16–20) In each of the questions below are given three statements followed by two conclusions numbered I and II. 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.

- 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.

16. **Statements** All benches are cots.
 No cot is lamp.

Conclusions I. Some cots are benches.
 II. Some candles are cots.

17. **Statements** Some cats are dogs.
 All dogs are goats.
 All goats are walls.

Conclusions I. Some walls are dogs.
 II. Some walls are cats.

18. **Statements** Some buildings are sofas.
 Some sofas are benches.
 Some benches are tables.

Conclusions I. Some tables are sofas.
 II. No table is sofa.

19. **Statements** All rats are bats.
 Some bats are desks.
 All desks are chairs.

Conclusions I. Some desks are rats.
 II. Some chairs are rats.

20. **Statements** Some roads are ponds.
 All ponds are stores.
 Some stores are bags.

Conclusions I. Some bags are ponds.
 II. Some stores are roads.

Directions (Q. 21–25) Study the following information carefully and answer the questions given below.

P, Q, R, S, T and M are six students of a school, one each studies in Class I-VI. Each of them has a favourite colour from red, black, blue, yellow, pink and green, not necessarily in the same order.

Q likes black and does not study in Class IV or V. The one who studies in Class IV does not like green. P studies in Class II. M likes blue and does not study in Class IV. The one who likes yellow studies in Class VI. S likes pink and studies in Class I. R does not study in Class VI.

21. In which class does R study ?

- (1) V (2) III
 (3) IV (4) Data inadequate
 (5) None of these

22. Which colour does R like ?

- (1) Black (2) Yellow
 (3) Green (4) Blue
 (5) None of these

23. Which colour does P like ?

- (1) Green (2) Yellow
 (3) Red (4) Data inadequate
 (5) None of these

24. Which of the following combinations is correct ?

- (1) P-II-Yellow (2) Q-III-Green
 (3) S-I-Black (4) T-V-Yellow
 (5) None of these

25. In which class does M study ?

- (1) IV (2) III
 (3) II (4) V
 (5) None of these

Directions (Q. 26–30) In the following questions, the symbols @, ©, \$, % and ★ are used with the 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'.
 Now in each of the following questions, assuming the given statements to be true, find which of the two conclusions I and II given below them is/are definitely true.
 Give answer (1) if only conclusion I is true.
 Give answer (2) if only conclusion II is true.
 Give answer (3) if either conclusion I or II is true.
 Give answer (4) if neither conclusion I nor II is true.
 Give answer (5) if both conclusions I and II are true.

26. **Statements** K @ V, V © N, N % F

Conclusions I. F @ V
 II. K @ N

27. **Statements** H © W, W \$ M, M @ B

Conclusions I. B ★ H
 II. M % H

28. **Statements** D % B, B ★ T, T \$ M

Conclusions I. T © D
 II. M © D

29. **Statements** M ★ T, T @ K, K © N

Conclusions I. N ★ T
 II. N ★ M

30. **Statements** R \$ J, J % D, D ★ F

Conclusions I. D \$ R
 II. D @ R

Directions (Q.31–40) Study the following information carefully and answer the questions given below.

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

The candidate must

- (i) be a graduate with at least 50 per cent marks.
- (ii) have a postgraduate degree/diploma in personnel Management/HR with at least 60 per cent marks.
- (iii) not be more than 35 yr as on 1.6.2009.
- (iv) have post-qualification work experience of at least five years in the Personnel/HR 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 the conditions EXCEPT—

- (a) at (iii) above, but has post-qualification work experience of at least ten years, the case is to be referred to the Director-Personnel.
- (b) at (iv) above, but has post-qualification work experience as Deputy Personnel Manager of at least three years, the case is to be referred to President-Personnel.

In each question below are given details of one candidate. You have to take one of the following courses of action based on the information provided and the conditions and sub-conditions given above and mark the number of that course of action as your answer. You are not to assume anything other than the information provided in each question. All these cases are given to you as on 1.6.2009.

Mark answer (1) if the candidate is to be selected;

Mark answer (2) if the candidate is not to be selected.

Mark answer (3) if the information provided is inadequate to take a decision.

Mark answer (4) if the case is to be referred to the Director-Personnel.

Mark answer (5) if the case is to be referred to the President-Personnel.

31. Meena Srivastava was born on 6th March 1978. She has been working as Deputy Personnel Manager in an organization for the past four years after completing her postgraduate diploma in HR with 68 per cent marks. She has secured 50 per cent marks in both graduation and selection process.
32. Ketan Desai was born on 5th January 1979. He has been working for the past five years in the personnel deptt of an organisation after completing his postgraduate diploma in Personnel Management with 64 per cent marks. He has secured 40 per cent marks in the selection process and 52 per cent marks in graduation.
33. Anant Joshi has been working in the personnel department of an organisation for the past six years. He was born on 7th November 1977. He has secured 60 per cent marks in postgraduate degree in Personnel Management. He has also secured 55 per cent marks in both graduation and selection process.

34. Mohan Bajpai was born on 10th April 1975. He has secured 55 per cent marks in graduation and 65 per cent marks in postgraduate diploma in Personnel Management. He has been working in the HR Deptt, of an organisation for the past six years after completing his postgraduate diploma.

35. Gopal Sharma has been working for the past five years in the HR Deptt. of an organisation after completing his postgraduate diploma in HR with 62 per cent marks. He has secured 50 per cent marks in both graduation and selection process. He was born on 29th May 1974.

36. Arun Vohra has secured 55 per cent marks in graduation. He has been working in the personnel deptt. of an organisation for the past eleven years after completing his postgraduate degree in Personnel Management with 65 per cent marks. He has secured 50 per cent marks in the selection process. He was born on 12th August 1972.

37. Asha Dhar has secured 52 per cent marks in graduation and 62 per cent marks in postgraduate degree in Personnel Management. She has also secured 48 per cent marks in the selection process. She has been working for the past seven years in the personnel deptt. of an organisation after completing her postgraduate degree. She was born on 8th June 1974.

38. Sudha Ghosal was born on 20th October 1976. She has been working as Deputy Personnel Manager for the past four years in an organisation after completing her post graduate degree in HR with 67 per cent marks. She has secured 60 per cent marks in graduation and 45 per cent marks in the selection process.

39. Amit Saxena was born on 25th July 1973. He has been working in the personnel deptt. of an organisation for the past eleven years after completing his postgraduate diploma in HR with 70 per cent marks. He has secured 60 per cent marks in both graduation and selection process.

40. Navin Das was born on 14th April 1978. He has been working in the personnel deptt. of an organisation for the past six years after completing his postgraduate diploma in HR with 65 per cent marks. He has secured 45 per cent marks in both graduation and selection process.

Directions (Q.41–45) In each question below is given a group of letters followed by four combinations of digits/symbols numbered (1), (2), (3) and (4). You have to find out which of the combinations correctly represents the group of letters based on the following coding system and the conditions and mark the number of that combination as your answer. If none of the four combinations correctly represents the group of letters, give (5) i.e. 'None of these' as the answer.

Letters : M D R P A T W E I F H U K Z

Digit/Symbol Code : 5 6 # 7 8 1 @ \$ 2 % 3 © 4 9

Conditions

- (i) If the first letter is a consonant and the last letter is a vowel, their codes are to be interchanged.
- (ii) If both the first and the last letters are vowels, both are to be coded as ★.
- (iii) If the first letter is a vowel and the last letter is a consonant, both are to be coded as the code for the consonant.

41. TIKDIP
 (1) 1©4627 (2) 1©4621
 (3) 7©4621 (4) 1©6427
 (5) None of these
42. EFDMDKA
 (1) \$%6548 (2) \$%654\$
 (3) ★%654★ (4) 8%6548
 (5) None of these
43. APWTUH
 (1) ★7@1©★
 (2) 87@1©3
 (3) 37@@5
 (4) 87@1©8
 (5) None of the above
44. MARTWE
 (1) 58#1@\$ (2) 58#1@5
 (3) \$8#1@5 (4) \$8#1@\$
 (5) None of these
45. HEMKZI
 (1) 2\$5493 (2) 3\$5492
 (3) 3\$5493 (4) 2\$5492
 (5) None of these
- Directions (Q.46–50)** Study the following information carefully and answer the given questions.
- 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 : base 35 or gone 62 49 87 ahead
 Step I : 87 base 35 or gone 62 49 ahead
 Step II : 87 ahead base 35 or gone 62 49
 Step III : 87 ahead 62 base 35 or gone 49
 Step IV : 87 ahead 62 base 49 35 or gone
 Step V : 87 ahead 62 base 49 gone 35 or
- and Step V 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
46. **Input** : how was your stay 56 25 36 64
 Which of the following will be step VI ?
 (1) 64 how 56 was your stay 25 36
 (2) 64 how 56 stay 36 was 25 your
 (3) 64 how 56 stay 36 was your 25
 (4) There will be no such step
 (5) None of the above
47. **Input** : power fail now 52 24 75 gate 34
 Which of the following steps will be the last but one ?
 (1) IV (2) V
 (3) VI (4) VII
 (5) None of these
48. **Step III of an input is** : 91 car 85 14 27 few new house
 Which of the following is definitely the input ?
 (1) 85 14 91 car 27 few new house
 (2) Car 91 85 14 27 few new house
 (3) Car 85 14 27 few new house 91
 (4) Cannot be determined
 (5) None of the above

49. **Step II of an input is** : 75 down 16 24 farm eager 62 sky
 How many more steps will be required to complete the rearrangement ?
 (1) Four (2) Five (3) Six
 (4) Seven (5) None of these
50. **Input** : 14 35 when they came 61 48 home
 How many steps will be required to complete the rearrangement ?
 (1) Four (2) Five (3) Six
 (4) Seven (5) None of these

Directions (Q. 51–55) Below in each questions are given two statements (A) and (B). The statements may be either independent causes or may be effects of independent causes or a common cause. One of these statements may be the effect of the other statement. Read both the statements and decide which of the following answer choices correctly depicts the relationship between these two statements.

- Mark answer (1) if statement (A) is the cause and statement (B) is its effect.
 Mark answer (2) if statement (B) is the cause and statement (A) is its effect.
 Mark answer (3) if both the statements (A) and (B) are independent causes.
 Mark answer (4) if both statements (A) and (B) are effect of independent causes.
 Mark answer (5) if both the statements (A) and (B) are effects of some common cause.
51. (A) Many elderly people are continuously harassed by the youngsters in the locality.
 (B) Many children living in the locality play till late in the night.
52. (A) The state govt has decide to change the syllabus of mathematics for Std IX from the next academic year.
 (B) Many students from the state could not secure admission to the colleges of their choice.
53. (A) Majority of the employees of the manufacturing company received a hefty bonus at the end of the current financial year.
 (B) The manufacturing company has made considerable profit in the current financial year.
54. (A) The municipal authority decided to carry out repair work of the pipeline under the main arterial road of the city.
 (B) Vehicular movement has been diverted through alternate roads for a period of fifteen days.
55. (A) There is a significant drop in the number of people travelling by air during the last quarter.
 (B) There is a significant drop in the number of people travelling by long-distance trains during the last quarter.

Directions (Q. 56–60) 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 suggested courses of action logically follows(s) for pursuing.

Give answer (1) if only course of action I follows.
 Give answer (2) if only course of action II follows.
 Give answer (3) if either course of action I or II follows.
 Give answer (4) if neither course of action I nor II follows.
 Give answer (5) if both courses of action I and II follow.

56. **Statement** Drinking water supply to many parts of the town has been disrupted due to loss of water because of leakage in pipes supplying water.

Courses of action

- I. The government should order an enquiry into the matter.
- II. The civic body should set up a fact-finding team to assess the damage and take effective steps.

57. **Statement** There is an alarming increase in the number of people suffering from malaria in many parts of the city.

Courses of action

- I. The municipal corporation has advised all the govt hospitals to store adequate supply of malaria drugs.
- II. The municipal corporation has urged people to use mosquito repellants and keep their premises clean.

58. **Statement** Many people have encroached upon govt. property and built their houses and business establishments.

Courses of action

- I. The government should take immediate steps to remove all unauthorised constructions on govt land.
- II. All the encroachers should immediately be put behind bars and also be slapped with a hefty fine.

59. **Statement** The meteorological department has predicted normal rainfall throughout the country during the current monsoon.

Courses of action

- I. The govt should reduce the procurement price of food-grains for the current year.
- II. The govt should reduce subsidy on fertilizers for the current year.

60. **Statement** The number of dropouts in govt schools has significantly increased in the urban areas over the past few years.

Courses of action

- I. The govt should immediately close down all such schools in the urban areas where the dropout goes beyond 20 per cent.
- II. The parents of all the students who dropped out of the govt schools in urban areas should be punished.

Directions (Q.61-65) In each questions below is given a statement followed by two assumptions numbered I and II. An assumption is something supposed or taken for granted. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement.

Give answer (1) if only assumption I is implicit.
 Give answer (2) if only assumption II is implicit.
 Give answer (3) if either assumption I or II is implicit.
 Give answer (4) if neither assumption I nor II is implicit.
 Give answer (5) if both assumptions I and II are implicit.

61. **Statement** Many people fell ill after consuming meal at a wedding reception and were rushed to the nearby govt and private hospitals.

- Assumptions**
- I. The relatives of the affected people may refuse to take them to the Govt hospitals.
 - II. The nearby hospitals may be able to attend to all the affected people.

62. **Statement** The govt has recently announced an incentive package for setting up new business ventures in the rural areas and promised uninterrupted power supply to all the units.

- Assumptions**
- I. The govt may be able to supply adequate power to all such units.
 - II. People living in the rural areas may welcome the govt decision.

63. **Statement** The municipal authority blocked movement of traffic in and around the temple on the main festival day.

- Assumptions**
- I. Vary large number of devotees may visit the temple on the main festival day.
 - II. People travelling to the areas near the temple may postpone their journey by a day unless they have very urgent work in that area.

64. **Statement** The government has instructed all the private schools in the city to maintain the current fees for at least two more years.

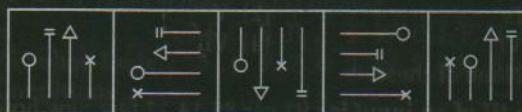
- Assumptions**
- I. The authorities of private schools may not follow the govt instruction as they are not dependent on govt funds.
 - II. The parents of the students of private schools of the city may still be eager to pay higher fees.

65. **Statement** The municipal authority has decided to demolish the old bridge on a busy road for constructing a new flyover.

- Assumptions**
- I. The traffic department may be able to divert movement of vehicles through alternate roads.
 - II. The people travelling in the nearby areas may demonstrate to protest against the authority's decision.

Directions (Q. 66-70) In each of the questions given below which one of the five answer figures should come after the problem figures, if the sequence were continued?

66. **Problem Figures**



Answer Figures

