

## Section 1 Reasoning Ability

1. How many meaningful English words can be made with the letters SULETR using each letter only once in each word ?  
 (1) None (2) One  
 (3) Two (4) Three  
 (5) More than three
2. 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 ?  
 (1) EV (2) GT  
 (3) IR (4) KP  
 (5) LN
3. In a certain code, DEEP is written as 60 and RABIT is written as 100. How is HAIR written in that code ?  
 (1) 72 (2) 27  
 (3) 80 (4) 50  
 (5) None of these
4. If it is possible to make a meaningful word with 1st, 5th and 8th letters of the word 'INDISTINGUISHABLE', which of the following will be the second letter from the right end ? If no such word can be formed give 'X' as the answer and if more than one such word can be formed give 'Y' as the answer  
 (1) I (2) S  
 (3) N (4) X  
 (5) Y
5. If '+' means '-', '-' means '×', '×' means '+' and '÷' means '+', then what will be the value of  $300 + 28 - 5 \times 32 \div 14 = ?$   
 (1) 55 (2) 50  
 (3) -55 (4) 40  
 (5) None of these
6. If all vowels in the word SOVEREIGN are arranged in alphabetical order and all consonants are arranged in reverse alphabetical order then which of the following letter will be third to the right of the fifth from the right end ?  
 (1) S (2) N  
 (3) O (4) I  
 (5) R
7. How many digits are there in the number 893642 retain its position if they are rearranged in ascending and descending order ?  
 (1) None (2) One  
 (3) Two (4) Three  
 (5) More than three
8. How many such pairs of letters are there in the word TRANSCRIBE 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
9. What will be there in place of in the following series ? EG35, IK99, MO182, PR288, ?  
 (1) TV440 (2) ZA26  
 (3) TU420 (4) ST380  
 (5) None of these
10. What should come next in the following number series ? 86 42 34 56 76 42 34 56 42 34.....  
 (1) 7 (2) 6  
 (3) 8 (4) 3  
 (5) None of these
11. 'BD' is related to 'DH' in the same way 'MO' is related to .....  
 (1) PR (2) QR  
 (3) OS (4) OP  
 (5) OQ
12. R is uncle of A. R is grandfather of Q. Q's brother name is P, then what is relation of P to A ?  
 (1) Brother (2) Grandfather  
 (3) Father (4) Uncle  
 (5) None of these

13. Among P, Q, R, S and T each having different weight. R is heavier than only P and S is lighter than Q and heavier than T. Who among them is the heaviest ?  
 (1) P (2) Q  
 (3) S (4) Data inadequate  
 (5) None of these
14. If blue is called green, green is called white, white is called black, black is called red and red is called yellow, then which of the following is the colour of unripe Banana ?  
 (1) Black (2) Green  
 (3) White (4) Yellow  
 (5) Red
15. Mohit correctly remembers that his father's birthday is not after eighteenth of April. His sister correctly remembers that their father's birthday is before twentieth but after seventeenth of April. On which day in April was definitely their father's birthday ?  
 (1) Seventeenth  
 (2) Nineteenth  
 (3) Eighteenth  
 (4) Seventeenth or Eighteenth  
 (5) None of the above

**Directions (Q. 16–18)** Following questions are based on the five three-digit numbers given below.

528 739 846 492 375

16. Which of the following represents the sum of the first two digits of the highest number ?  
 (1) 7 (2) 10  
 (3) 12 (4) 13  
 (5) None of these
17. If the positions of the first and the second digits of each number are interchanged, which of the following will be the third digit of the second lowest number ?  
 (1) 8 (2) 9  
 (3) 6 (4) 2  
 (5) 5
18. If the positions of the first and the third digits of each number are interchanged, which of the following will be the middle digit of the third highest number ?  
 (1) 2 (2) 3  
 (3) 4 (4) 9  
 (5) 7

**Directions (Q. 19–20)** Study the following information carefully and answer the questions given below.

- (i) 'P × Q' means 'P is sister of Q'.  
 (ii) 'P + Q' means 'P is mother of Q'.  
 (iii) 'P - Q' means 'P is father of Q'.  
 (iv) 'P ÷ Q' means 'P is brother of Q'.

19. Which of the following represents 'W is grandfather of H' ?  
 (1)  $W + T - H$  (2)  $W + T - H$   
 (3)  $W \times T + H$  (4)  $W \div T + H$   
 (5) None of these
20. Which of the following represents 'M is nephew of R' ?  
 (1)  $M + T - R$  (2)  $R + T - M$   
 (3)  $R \times T + M \times J$  (4)  $R + T - M + J$   
 (5) None of these

**Directions (Q. 21–26)** In each of the questions below are given four statements followed by four conclusions numbered I, II, III and IV. You have to take the given statements to be true even, if they seem to be at variance from 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.

21. **Statements** All rockets are poles. Some poles are trams. Some trams are ropes. All ropes are tents.

**Conclusions**

- I. Some tents are trams.  
 II. Some ropes are rockets.  
 III. Some trams are rockets.  
 IV. Some poles are rockets.

- (1) Only I and II follow (2) Only I, II and III follow  
 (3) Only I and III follow (4) Only I and IV follow  
 (5) None of the above

22. **Statements** All dials are mirrors. All mirrors are spoons. Some spoons are decks. Some decks are chairs.

**Conclusions**

- I. Some decks are mirrors.  
 II. Some spoons are dials.  
 III. Some decks are dials.  
 IV. Some chairs are spoons.

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

23. **Statements** Some houses are forests. All forests are hills. All hills are buses.

**Conclusions**

- I. Some buses are trees.  
 II. Some trees are houses.  
 III. Some hills are houses.  
 IV. Some buses are forests.

- (1) Only I and II follow (2) Only I, II and IV follow  
 (3) Only I, II and III follow (4) All I, II, III and IV follow  
 (5) None of the above

24. **Statements** Some ponds are rivers. Some rivers are mountains. Some mountains are books. Some books are papers.

**Conclusions**

- I. Some books are rivers.  
 II. Some papers are ponds.  
 III. Some mountains are ponds.  
 IV. No paper is ponds.

- (1) None follows  
 (2) Only either II or IV follows  
 (3) Only II follows  
 (4) Only IV follows  
 (5) Only either II or IV and III follow

25. **Statements** Some tigers are horses. All horses are goats. All goats are dogs. Some dogs are cats.

**Conclusions**

- I. Some cats are tigers.  
 II. Some dogs are horses.  
 III. Some goats are tigers.  
 IV. Some cats are horses.

- (1) Only I and II follow (2) Only I, II and III follow  
 (3) Only II and III follow (4) Only II, III and IV follow  
 (5) None of the above

26. **Statements** All notebooks are pens. No pen is table. Some tables are desks. All desks are tanks.

**Conclusions**

- I. Some tanks are pens.  
 II. Some desks are notebooks.  
 III. Some tanks are tables.  
 IV. No tank is pen.

- (1) Only I follows  
 (2) Only III follows  
 (3) Only IV follows  
 (4) Only either I or IV follows  
 (5) Only either I or IV and III follow

**Directions (Q. 27–31)** Study the following information carefully and answer the questions given below.

P, Q, R, S, T, V, W and Z are sitting around a circle facing the centre. T is second to the right of R who is third to the right of P. S is second to the left of P and fourth to the right of Q. Z is third to the right of V who is not an immediate neighbour of P.

27. In which of the following combinations is the first person sitting in between the second and the third persons ?  
 (1) VTS (2) TZS  
 (3) QRV (4) PWQ  
 (5) VRT
28. Who is second to the right of T ?  
 (1) S (2) Z (3) P (4) R (5) None of these
29. What is P's position with respect to S ?  
 (1) Fourth to the left (2) Fourth to the right  
 (3) Fifth to the left (4) Sixth to the left  
 (5) Third to the right
30. Who is the immediate left to Z ?  
 (1) T (2) P (3) S (4) V (5) None of these
31. Who is second to the right of W ?  
 (1) R (2) Q (3) Z (4) S (5) None of these

**Directions (Q. 38–43)** 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 four combinations correctly represents the group of letters based on the following coding system and the conditions that follow and mark the number of that combination as your answer. If none of the combinations correctly represents the group of letters, mark (5) i.e. 'None of these' as your answer.

Letters	B	A	D	E	F	H	J	K	M	I	U	O	W	F	P
Digits/Symbols Code	6	\$	7	8	#	1	2	★	%	3	©	4	9	@	5

**Conditions**

- (i) If the first letter is a vowel and the last letter is a consonant, their codes are to be interchanged.  
 (ii) If both the first and the last letters are consonants, both are to be coded as '8'.  
 (iii) If the first letter is a consonant and the last letter is a vowel, both are to be coded as the code for the vowel.

**Directions (Q. 32–37)** Study the following arrangement carefully and answer the questions given below.

W 7 @ I R P 3 9 B A \$ 4 H D 5 © M E 2 % T ★ 8 δ U Q N 1 V 6 # K F

32. How many such consonants are there in the above arrangement, each of which is immediately preceded by a consonant and immediately followed by a symbol ?  
 (1) None (2) One  
 (3) Two (4) Three  
 (5) More than three
33. If all the symbols are dropped from the above arrangement, which of the following will be the fifteenth from the left end ?  
 (1) E (2) 5  
 (3) D (4) 2  
 (5) None of these
34. How many such numbers are there in the above arrangement, each of which is immediately preceded by a symbol and immediately followed by a consonant ?  
 (1) None (2) One  
 (3) Two (4) Three  
 (5) More than three
35. 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 is the one that does not belong to that group ?  
 (1) T ★ 2 (2) Q N δ  
 (3) 3 9 R (4) 6 V K  
 (5) % T E
36. Which of the following is the ninth to the right of the twenty-second from the right end of the above arrangement ?  
 (1) H (2) #  
 (3) T (4) @  
 (5) None of these
37. How many such symbols are there in the above arrangement, each of which is immediately preceded by a number and immediately followed by a letter ?  
 (1) None (2) One  
 (3) Two (4) Three  
 (5) More than three

38. EKFUDH

- (1) 8★#©78  
 (2) 1★#©78  
 (3) 8★#©78  
 (4) 1★#©71  
 (5) None of the above

39. JMEIUD  
 (1) 8%83©δ (2) 2%83©2  
 (3) 7%83©7 (4) 2%83©7  
 (5) None of these
40. PEJDWU  
 (1) 58279© (2) δ8279δ  
 (3) ©8279© (4) 582795  
 (5) None of these
41. DMEAKJ  
 (1) 7%8\$★2 (2) 2%8\$★7  
 (3) 7%8\$★7 (4) δ%8\$★δ  
 (5) None of these
42. IBHWPO  
 (1) 361954 (2) 461953  
 (3) 361953 (4) 461954  
 (5) None of these
43. UKPDMI  
 (1) ©5★7%3 (2) δ★57%δ  
 (3) 3★57%© (4) ©★5%73  
 (5) None of these

**Directions (Q. 44–49)** In the following questions, the symbols @, ©, %, ★ and \$ are used with the following meaning 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 greater than Q'.  
 'P ★ Q' means 'P is neither equal to nor greater than Q'.  
 'P % Q' means 'P is neither smaller than nor equal to Q'.

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

44. **Statements** D @ M, M \$ B, B ★ R, R % T  
**Conclusions** I. B ★ D  
 II. B @ D  
 III. T ★ M  
 (1) None is true (2) Only I is true  
 (3) Only II is true (4) Only III is true  
 (5) Only either I or II is true
45. **Statements** W © F, F @ D, D ★ K, K \$ J  
**Conclusions** I. K % W  
 II. D \$ W  
 III. F ★ K  
 (1) Only I and II are true  
 (2) Only I and III are true  
 (3) Only II and III are true  
 (4) All I, II and III are true  
 (5) None of the above
46. **Statements** R ★ K, K © M, M % T, T \$ J  
**Conclusions** I. J ★ M  
 II. R ★ M  
 III. K © J  
 (1) Only I is true (2) Only II is true  
 (3) Only I and II are true (4) All I, II and III are true  
 (5) None of these

47. **Statements** R @ K, T © K, T \$ M, M ★ W  
**Conclusions** I. W % K  
 II. M © R  
 III. T © R  
 (1) Only I is true  
 (2) Only II is true  
 (3) Only III is true  
 (4) All I, II and III are true  
 (5) None of the above
48. **Statements** T \$ N, N % B, B @ W, K © W  
**Conclusions** I. K \$ B  
 II. K \$ T  
 III. T % B  
 (1) Only I and II are true  
 (2) Only I and III are true  
 (3) Only II and III are true  
 (4) All I, II and III are true  
 (5) None of the above
49. **Statements** Z % V, V ★ J, J © M, M @ R  
**Conclusions** I. R % V  
 II. M % V  
 III. Z % M  
 (1) Only I and II are true  
 (2) Only I and III are true  
 (3) Only II and III are true  
 (4) All I, II and III are true  
 (5) None of the above

**Directions (Q. 50–55)** 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 : gone 93 over 46 84 now for 31  
 Step I : 31 gone 93 over 46 84 now for  
 Step II : 31 over gone 93 46 84 now for  
 Step III : 31 over 46 gone 93 84 now for  
 Step IV : 31 over 46 now gone 93 84 for  
 Step V : 31 over 46 now 84 gone 93 for  
 and step V is the last step of the rearrangement of the above input.

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

50. Step III of an Input is : 15 window 29 93 86 sail tower buy  
 Which of the following will be step VI ?  
 (1) 15 window 29 tower 86 sail 93 buy  
 (2) 15 window 29 tower 86 93 sail buy  
 (3) 15 window 29 tower 93 86 sail buy  
 (4) There will be no such step.  
 (5) None of the above
51. Input : station hurry 39 67 all men 86 59  
 How many steps will be required to complete the rearrangement ?  
 (1) Four (2) Five  
 (3) Six (4) Three  
 (5) None of these

52. Step II of an Input is : 49 zone car battery 56 87 71 down  
Which of the following is definitely the input ?  
(1) car 49 battery zone 56 87 71 down  
(2) zone 49 car battery 56 87 71 down  
(3) battery car 49 zone 56 87 71 down  
(4) Cannot be determined  
(5) None of the above
53. Input : news 79 53 glory for 46 29 task  
Which of the following will be step IV ?  
(1) 29 task 46 news 53 glory 79 for  
(2) 29 task 46 news 53 79 glory for  
(3) 29 task 46 news 79 53 glory for  
(4) 29 news 79 53 glory for 46 task  
(5) None of the above
54. Step III of an Input is : 27 tube 34 gas chamber row 74 53  
Which of the following steps will be the last but one ?  
(1) VI (2) VII  
(3) VIII (4) V  
(5) None of these
55. Step II of an Input is : 19 year 85 74 near gone 26 store  
How many more steps will be required to complete the rearrangement ?  
(1) Three (2) Four  
(3) Two (4) Five  
(5) None of these

**Directions (Q. 56–60)** Study the following information carefully and answer the questions given below.

A, B, C, D, E, F, G and H are eight students of a school. They study in Std. VI, VII and VIII with not more than three in any Std. Each of them has a favourite subject from Physics, Geography, English, Marathi, Mathematics, Chemistry, Biology and Economics not necessarily in the same order.

D likes Chemistry and studies in Std. VIII with only H. B does not study in Std. VII. E and A study in the same Std. but not with B. C and F study in the same Std. Those who study in Std. VI do not like Mathematics or Biology. F likes Physics. The one who studies in Std. VIII likes English. C does not like Geography. A's favourite subject is Marathi and G does not like Biology.

56. Which subject does H like ?  
(1) English (2) Marathi  
(3) Science (4) Data inadequate  
(5) None of these
57. What is G's favourite subject ?  
(1) Biology (2) Physics  
(3) Marathi (4) Data inadequate  
(5) None of these
58. What is C's favourite subject ?  
(1) Economics (2) Biology  
(3) English (4) Geography  
(5) Data Inadequate
59. Which of the following combinations of student-Std-Subject is correct ?  
(1) C – VII – Economics (2) D – VI – Chemistry  
(3) G – VII – Physics (4) B – VIII – Mathematics  
(5) None is correct

60. Which of the following group of students study in VII Std. ?  
(1) EAF (2) EGC  
(3) EAG (4) Data inadequate  
(5) None of these

**Directions (Q. 61–70)** Study the following information carefully and answer the questions given below.

Following are the conditions for selecting Marketing Manager in an organization.

The candidate must —

- be a graduate in any discipline with at least 55 per cent marks.
- have a post graduate degree/diploma in Marketing Management with at least 60 per cent marks.
- have post qualification work experience of at least five years in the marketing division of an organization.
- have secured at least 45 per cent marks in the selection examination.
- have secured at least 40 per cent marks in the selection interview.

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

- at (iii) above, but has post qualification work experience of at least three years as Deputy Marketing Manager, the case is to be referred to GM-Marketing.
- at (v) above, but has secured at least 60 per cent marks in the selection examination, the case is to be referred to VP-Marketing.

In each question below, details of one candidate are given. 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 marks 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 01.05.2010.

- 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 case is to be referred to GM-Marketing.  
Mark answer (4) if the case is to be referred to VP-Marketing.  
Mark answer (5) if the data provided are not adequate to take a decision.

61. Nidhi Agarwal has secured 60 per cent marks in the selection interview and 40 per cent marks in the selection examination. She has been working in the marketing division of an organization for the past eight years after completing her post graduate degree in Marketing management with 65 per cent marks. She has secured 59 per cent marks in B.Sc.
62. Navin Desai has secured 56 per cent marks in B.A. He has been working in the marketing division of an organization for the past seven years after completing his post graduate degree in marketing with 62 per cent marks. He has secured 62 per cent marks in the selection examination and 38 per cent marks in the selection interview.