

I-Flex Aptitude Test Sept 2007

1. Four of the following five are alike in a certain way and hence form a group. Which of the following does not belong to that group?

- 1) 14
- 2) 330
- 3) 112
- 4) 716
- 5) 1334

2. How many pairs of letters are there in the word SOMETHING which have as many letters between them as in the English alphabet?

- 1) One
- 2) Two
- 3) Three
- 4) Four
- 5) More than four

3. Make a meaningful word from the first, second, third, fourth, fifth, eleventh and twelfth letters of the word PRECIPITATES, using each letter only once. If only one such word can be made what would be the third letter of that word? If more than one such word can be made, your answer would be 'Y'. If no word can be made your answer would be 'X'

- 1) X
- 2) Y
- 3) E
- 4) C
- 5) None of these

4. In how many ways can a group of 4 men and 3 women be made out of a total of 8 men and 4 women?

- 1) 74
- 2) 280
- 3) 56
- 4) 130
- 5) None of these

5. What would be the rearranged form of the word 'ORGANISATION' if its letters having been arranged in alphabetical order are then substituted by the immediate next letters in the English alphabet sequence?

- 1) AAGIINNOORST
- 2) BBHJJOOPPSTU
- 3) BBGIIOOPPSTU
- 4) UTSPPOOJJHBB
- 5) None of these

6. In a certain code language 'ASCENT' is written as 'QUPLRA'; and 'EDUCATION' is written as

'LOXPQAJSR'. How will NATIONALISATION be coded in that language?

- 1) RQAJSRGGJUQAJSR
- 2) RQAJSRQGJGQAJSR
- 3) RAJQSRQSJUQAJSR
- 4) RQAJSRQSJQAJSR
- 5) RQAJSRQGJUQAJSR

7. Pointing towards a female, Mr 'X' says, "She is the daughter of the only son of my paternal grandfather." How is Mr 'X' related to the female?

- 1) Brother
- 2) Cousin
- 3) Father
- 4) Uncle
- 5) Data inadequate

8. In a certain code language 'A' is called 'B', 'B' is called 'C', 'C' is called 'D',....., 'Y' is called 'Z' and 'Z' is called 'A'. In that code language 'TEAM' will be called

- 1) SDZL
- 2) UFBN
- 3) UFZN
- 4) UFBM
- 5) SDBL

9. The calendar of the year 2004 will be exactly the same as the calendar of which of the following years?

- 1) 2008
- 2) 2018
- 3) 2030
- 4) 2032
- 5) 2034

10. Four of the following five are alike in a certain way and hence form a group. Which of the following does not belong to that group?

- 1) Sputnik 1
- 2) Bhaskara 2
- 3) Luna 3
- 4) Soyuz 4
- 5) Apollo 11

Directions (Q. 11-15): In each question below are given three 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 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.

11. Statements: a. All aeroplanes are vans.

b. No vans are ships.

c. Some ships are buses.

Conclusions: I. No aeroplanes are ships.

II. Some buses are not vans.

III. Some vans are not buses.
IV. Some buses are not aeroplanes.

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

12. Statements: a. All copies are spoons.
b. Some glasses are not spoons.
c. All glasses are cups.

Conclusions: I. Some cups are spoons.
II. Some cups are not copies.
III. Some cups are not spoons.
IV. Some glasses are not copies.

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

13. Statements: a. Some doctors are engineers.
b. Some engineers are professors.
c. Some professors are socialists.

Conclusions: I. Some doctors are socialists.
II. No doctors are socialists.
III. All doctors are professors.
IV. Some doctors are not professors.

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

14. Statements: a. No journalists are socialists.
b. No socialists are sportspersons.
c. All sportspersons are singers.

Conclusion: I. No singers are socialists.
II. No singers are journalists.
III. Some singers are not journalists.
IV. Some singers are not socialists.

- 1) Only either I or IV and III follow
- 2) Only either I or IV and II follow
- 3) Only either II or III and I follow
- 4) Only either II or III and IV follow

5) None of these

15. Statements: a. All cruel persons are doctors.

c. All doctors are honest.

b. No honest persons are intelligent.

Conclusions: I. Intelligent persons are not cruel.

II. Intelligent persons are not doctors.

III. All cruel persons are honest.

IV. Some honest persons are cruel.

1) All follow

2) Only I, II and IV follow

3) Only I, III and IV follow

4) Only II, III and IV follow

5) None of these

Directions (16-20): Study the following information carefully and answer the questions given below it. P, Q, R, S, T, U, and V are travelling in three cars Indica, Esteem and Indigo with at least two in each car. There are three female members among them with at least one in each car. T is not travelling in Indica. R is travelling in Esteem with only his best friend V. Q is not travelling with either P or S and his best friend U is travelling in Indica. S is not travelling in Indigo.

16. Which of the following definitely represents a group of male members?

1) RQP

2) RQU

3) RQUP

4) RQPS

5) Data inadequate

17. In which car is Q travelling?

1) Indica

2) Indigo

3) Esteem

4) Cannot be determined

5) None of these

18. In which of the following cars are three of them travelling?

1) Indigo

2) Esteem

3) Indica

4) Cannot be determined

5) None of these

19. In which car is P travelling?

1) Indica

2) Esteem

3) Indigo

4) Cannot be determined

5) None of these

20. Which of the following represents the three female members?

- 1) STV
- 2) PTV
- 3) UTV
- 4) Data inadequate
- 5) None of these

Directions (Q. 21-25): Study the following information carefully and answer the questions given below: 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: 84 26 this mate best 14 96 edit

Step I: 96 84 26 this mate best 14 edit

Step II: 96 best 84 26 this mate 14 edit

Step III: 96 best 84 edit 26 this mate 14

Step IV: 96 best 84 edit 26 mate this 14

Step V: 96 best 84 edit 26 mate 14 this

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

21. What will be the last step for the following input?

Input: 12 16 14 tame first fast 82 fail

- 1) 82 tame 16 first 14 fail 12 fast
- 2) 82 fail 16 fast 14 first 12 tame
- 3) 82 fast 16 fail 14 first 12 tame
- 4) 12 fast 14 fail 16 first 82 tame
- 5) None of these

22. What will definitely be the third step for an input whose sixth step is as follows?

Step VI: 98 golf 76 hint 61 jack 59 kite

- 1) 98 golf 76 59 kite hint 61 jack
- 2) 98 golf 76 hint kite 61 jack 59
- 3) 98 golf 76 hint kite 59 jack 61
- 4) Can't be determined
- 5) None of these

23. Which step will be the second from last step for the given input?

Input: 22 cats 44 dogs 76 rats 12 fishes

- 1) Step IV
- 2) Step V
- 3) Step VI
- 4) Step VII
- 5) None of these

24. If step IV of an input is:

66 ajar 39 back king queen 12 17 then the following step of that input will certainly be the Step_____ .

Step: 66 ajar king queen 39 back 12 17

- 1) One
- 2) Two
- 3) Three
- 4) Can't be determined
- 5) None of these

25. Input: dust must 88 98 foil coal 44 24

How many steps will be required to complete the rearrangement?

- 1) Four
- 2) Five
- 3) Six
- 4) Less than four
- 5) More than six

ANSWERS: 1. (5) 2. (4) 3. (2) 4. (2) 5. (2) 6. (5) 7. (1) 8. (2) 9. (4) 10. (2) 11. (3) 12. (2) 13. (5) 14. (5) 15. (1) 16. (5) 17. (2) 18. (3) 19. (1) 20. (4) 21. (2) 22. (4) 23. (2) 24. (2) 25. (3)