

## REASONING TEST-10

1. A is B's sister. C is B's mother. D is C's father. E is D's mother. Then, how is A related to D ?  
(a) Grandmother (b) Grandfather  
(c) Daughter (d) Grand daughter
2. If 'P × Q' means 'P is the daughter of Q'; 'P + Q' means 'P is the father of Q', then in the expression  $A \div B + C - E \times F$ , how is A related to F ?  
(a) Mother (b) Aunt (c) Daughter-in-law  
(d) Sister-in-law (d) None of these
3. A bus starts from city X. The number of women in the bus is half of the number of men. In city Y, 10 men leave the bus and five women enter. Now, number of men and women is equal. In the beginning, how many passengers entered the bus ?  
(a) 15 (b) 30 (c) 36 (d) 45

**Directions (Q.4 to 7) :** In the following questions, some statements are given followed by some conclusions. You have to decide which of the given conclusion follow from the given statements to be true, even if they appear to be at variance with commonly known facts.

- (a) only I follow (b) Either I or II follows  
(c) I and II follows (d) neither I nor II follow
4. **Statements:** Some vegetables are fruits.  
No fruit is black.  
**Conclusions:** i. Some fruits are vegetables.  
ii. No vegetable is black.
5. **Statements:** Some fools are intelligent.  
Some intelligent are great.  
**Conclusions:** I. Some fools are great.  
II. All great are intelligent.
6. **Statements :** All apples are brinjals.  
All brinjals are ladyfingers.  
**Conclusions :** I. Some oranges are brinjals.  
II. All brinjals are apples.
7. **Statements :** Some flowers are apples.  
Some apples are stones.  
**Conclusions :** I. No flowers is stone.  
II. All apples are stones.

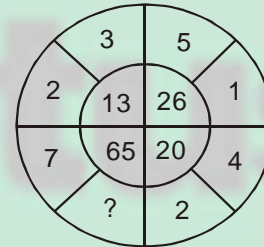
**Directions for (Q. 8 to 9) :** Read the following passage and solve the question based on it.

There were eight friends, viz. P, W, T, S, U, Q, V and R-attending a New Year party. However, not all of them reached at the same time and not all of them guzzled the same quantity of beer at the party. Following is the data pertaining to their arrival and the drinks consumed by them at the party:

- (i) T drank more than P but less than V and left later than P but earlier than S.
- (ii) P drank more than W at the party and left later than V.
- (iii) U drank less than Q but more than V and left later than S.

(iv) W drank more than R and left earlier than V.

8. Who left the earliest?  
(a) P (b) S (c) T (d) W
9. Who among the following drank the least?  
(a) P (b) R (c) T (d) U
10. Find out the missing number  
(a) 2 (b) 3 (c) 4 (d) 6



**Direction Q.11 to Q. 15:** Read the following information carefully and answer the question given below it :

There are six persons A, B, C, D, E and F in a school. Each of the teachers teaches two subjects, one compulsory subject and the other optional subject. D's optional subject was history while three others have it as compulsory subject. E and F have Physics as one of their subjects. F's compulsory subject is Mathematics which is an optional subject of both C and E. History and English are A's subjects but in terms of compulsory and optional subjects, they are just reverse of those of D's. Chemistry is an optional subject of only one of them. The only female teacher in the school has English as her compulsory subject.

11. What is C's compulsory subject ?  
(a) History (b) Physics (c) Chemistry  
(d) English (e) Mathematics
12. Who is a female member in the group ?  
(a) A (b) B (c) C (d) D  
(e) E
13. Which of the following has same compulsory and optional subjects as those of F's ?  
(a) D (b) B (c) A (d) None of these
14. which is the History as compulsory and English as optional subject ?  
(a) A (b) B (c) C (d) D
15. Which of the following groups has History as the compulsory subject ?  
(a) A, C, D (b) B, C, D (c) C, D (d) A, B, C

**Direction Q.16 to Q.20: Read the following information carefully and answer the question given below it :**

**'P © Q' means 'P is not smaller than Q'.**

**'P \* Q' means 'P is neither greater than nor smaller than Q'.**

**'P @ Q' means 'P is neither greater than nor equal to Q'.**

**'P # Q' means 'P is neither smaller than nor equal to Q'.**

**'P % Q' means 'P is not greater than Q'.**

(a) If conclusion I follows (b) If conclusion II follows

(c) If neither I nor II follows (d) If both follows

16. Statement:  $U * V, V @ W, W \% Z$

Conclusions: I.  $Z @ U$  II.  $W \# U$

17. Statement:  $N \% R, R \# Q, Q © S$

Conclusions: I.  $N @ Q$  II.  $R © S$

18. Statements:  $A © B, B \# C, C * D$

Conclusions: I.  $D @ B$  II.  $D \% A$

19. Statements:  $U @ P, P \# S, S © V$

Conclusions: I.  $S \# V$  II.  $S \% P$

20. Statement:  $P * Q, Q @ S, S \% V$

Conclusions: I.  $V \# Q$  II.  $S \# P$

21. How many meaningful English words can be formed from the first, fifth, seventh and ninth letters of the word PUNCTUATE using them in different sequence only once ?

(a) one (b) Two (c) Three (d) none

22. How many such pairs of letters are there in the word INSTRUCTION which have as many letters between them in the word as in the English alphabet ?

(a) One (b) Two  
(c) Three (d) Four

23. If P denotes 'multiplied by', T denotes 'subtracted from', M denotes 'added to' and B denotes 'divided by', then  $28 B 7 P 8 T 6 M 4 = ?$

(a)  $-3/2$  (b) 30 (c) 32 (d) 34

24. If MINERAL is written as QRSTUVW and SOUND is written as ABCSD, then how will READER be written in the same code ?

(a) SBFEFS (b) UTVDTU  
(c) TUDVUT (d) QDZCDQ

25. Read the following information and answer the questions given below

'A + B' means 'A is the father of B';

'A - B' means 'A is the wife of B';

'A × B' means 'A is the brother of B';

'A ÷ B' means 'A is the daughter of B'.

If  $P \times R - Q$ , which of the following is true?

(a) P is the brother-in-law of Q (b) P is the brother of Q  
(c) P is the uncle of Q (d) P is the father of Q

## ANSWER KEY(REASONING TEST-10)

- |         |         |         |         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1. (d)  | 2. (d)  | 3. (d)  | 4. (b)  | 5. (d)  | 6. (a)  | 7. (d)  | 8. (d)  | 9. (b)  | 10. (c) |
| 11. (a) | 12. (d) | 13. (d) | 14. (c) | 15. (d) | 16. (b) | 17. (a) | 18. (a) | 19. (c) | 20. (d) |
| 21. (b) | 22. (d) | 23. (b) | 24. (b) | 25. (a) |         |         |         |         |         |

impetus

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