

1. Krishna walked 20 m towards the north. Then he turned right and walked 30 m. Then he turned right and walked 35 m. Then he turned left and walked 15 m. Finally he turns left and went 15 m. In which direction and how many meters is Krishna compared to from the starting position? A) 15m west B) 30m east C) 30m west D) 45m west E) 45m east

2. A stream which flows from west to east in the middle turns left. Further, then it comes across an island and goes around it in an anti-clock manner to take a quarter circle of the island. Then it takes a right from that direction. Determine that finally in which direction is the stream flowing?

A) east B) south C) north west D) west E) north

3. A clock is so placed that at 12 noon its minute hand points towards northeast. In which direction does its hour hand point at 1:30 p.m.?

A) North B) South C) East D) West E) North-East

4. If a man is facing west and turns 45° clockwise, then 180° clockwise, and then 270° counter clockwise. In which direction is he facing now?

A) South B) South-West C) North D) North-West E) North-East

5. N is to the east of E, G is to the South of E and L is to the West of G. N is in which direction with respect to L? A) South West B) North West C) South East D) North East E) South

6. If North is replaced by South East then east will be replaced by which of the following direction?

A) North East B) South East C) South West D) North West E) South

7. IF MUSIC is coded as LVRJB: how is NOTES coded in that code? A) MPSFR B) MQVFT C) OPUFT D) MQVET E) PQVET

8. In a certain coding system, 'rbm std bro pus' means 'the puppy is beautiful', 'tnh pus dim std' means 'the sparrow is red', 'pus dim bro pus cus' means 'the sparrow has the puppy'. What is the code for 'has'?

A) Dim B) Pus C) Bro D) Std E) cus

9. In a certain code language, INSTITUTE is written as EOTUJUVUI. How will MEDICOVER be written that code language?

A) RFFDJJOFFM B) RFOJDFIFM

C) MFFJDJODR D) ROJDJFFSM E) RFEJDPWFM

10. Check the words translated from an artificial language.

agnoscenia means poisonous spider

delanocrenia means poisonous snake

agnosdeery means brown spider

Which word could mean "black widow spider"?

A) deeryclostagnos B) agnosdelano

C) agnosvitribulunin D) trymuttiagnos E) deerydelano

11. If a 'man' is called 'girl', 'girl' is called 'women', 'women' is called 'boy', 'boy' is called 'butler', and 'butler' is called 'rogue', who will serve in a restaurant?

A) Butler B) Girl C) Man D) Women E) Rogue

12. If P + Q means P is the brother of Q; P x Q means P is the father of Q and P - Q means P is the sister of Q, which of the following relations shows that? I is the niece of K

A) K x Y + Z - I

B) K + Y x I - Z

C) Z - I x Y + K

D) K + Y + I - Z

E) K - Y + Z x I

13. Introducing a boy, a girl said, "He is the son of the son of the father of my mother." How is the boy related to the girl?

A) Brother B) Nephew C) Uncle D) Father E) Cousin

14. A and B are children of D. Who is the father of A? To answer this question which of the statements (1) and (2) is necessary?

(1) C is the brother of A and the son of E.

(2) F is the mother B.

A) Only (1) B) Only (2) C) Either (1) or (2) D) (1) and

(2) both E) Cannot be determined

Ques 15 – 16

Garv is the son of Sashi. Heer is the father of Manu. Garv is married to Devi. Garv and Manu are siblings. Prem is the brother of Devi. Sashi has only one son. Riya is the son of Garv. Prem is the father of Kaka. Joshi is the daughter of Manu. Prem has no daughters.

15. How many female(s) members are there in the family? A) 1 B) 2 C) 3 D) 4 E) 5

16. How is Riya related to Sashi?

A) Brother B) Nephew C) Uncle D) Father E) Son

17. Statements:

Some towels are brushes.
No brush is soap.
All soaps are rats.

Conclusions:

- I. Some rats are brushes.
- II. Some towels are not Soaps.
- III. Some towels are soaps.
- A. Only II follows
- B. Only I and II follow
- C. Only II and III follow
- D. All follow
- E. II and I or II follow

18. Statements:

No story is a fiction.
Some fictions are poetries.
All fictions are novels

Conclusions:

- I. All Stories being Novel is a possibility.
- II. All poetries are stories is a possibility.

- A Only conclusion I follows
- B Only conclusion II follows
- C Both conclusions I and II follow
- D Neither conclusion I nor II follows
- E Either conclusion I or II follows

19. Statements:

Only Apple are books
few Apple are Cat

Conclusions:

- I. Some Cats are apple
- II. Some Cats are books

- A Only conclusion I follows
- B Only conclusion II follows
- C Both conclusions I and II follow
- D Neither conclusion I nor II follows
- E Either conclusion I or II follows

20. Below conclusion is given find the statements.

Conclusions:

Some sea can be ocean.
Some Jungles can be canyon.
Some Forts can be canyon.

- (a) Statements: Some Forts are Jungle. No sea is ocean. Some Jungles are sea. Some jungles are canyon.
- (b) Statements: Some Forts are Jungle. Some Jungles are sea. No Fort is canyon. All canyons are ocean.

(c) Statements: All canyons are ocean. Some Forts are Jungle. Some Jungles are sea. No Jungle is canyon.

(d) Statements: Some Forts are Jungle. Some Jungles are sea. No sea is canyon. All canyons are ocean.

(e) Statements: Some Forts are Jungle. No Jungle is canyon. No canyon is ocean. Some Jungles are sea.

21. The question given below consists of six statements, followed by options consisting of three statements put together in a specific order. Choose the option which indicates a valid argument containing logically related statements, i.e. where the third statement is a conclusion drawn from the preceding two statements.

- A: Some pots are not vases.
- B: Some vases are not pots.
- C: No table is a vase.
- D: All vases are tables.
- E: Some vases are pots.
- F: Some tables are not pots.
- (a) ABD (b) CAD (c) FAC (d) EBA (e) DEF

Series

22. Find the next term in the series

165, 195, 255, 285, 345, ?

- A. 375 B. 420 C. 435 D. 390 E. 520

23. Find the next term in the series

210, 130, 60, 30, 6, __

- A. 4 B. 1 C. 2 D. 3 E. 0

24. Find the odd term in the series.

3, 11, 34, 69, 131, 223

- (a) 11 (b) 34 (c) 69 (d) 131 (e) 223

25. Find the odd term in the series.

9, 5, 9, 25, 95, 414

- (a) 9 (b) 25 (c) 414 (d) 95 (e) 5

26. Find the odd term in the series.

10 25 45 55 60 74 85

- (A) 10 (B) 25 (C) 45 (D) 54 (E) 60

Direction

Q1 – E) 45m east

N20 → E30 → S35 → E15 → N15 → vertical cancels (20–35+15=0).

Net displacement = 45m East.

Q2 – E) north

East → left = North → anti-clockwise quarter → West → right = North. Final direction = North.

Q3 – E) North-East; Clock rotated so 12 → NE; hour hand at 1:30 shifts accordingly.

Direction remains North-East.

Q4 – B) South-West; West → +45° = NW → +180° = SE → -270° = SW. Final direction = South-West.

Q5 – D) North East; Place E center → N right, G down, L left of G. From L to N → up + right → North-East.

Q6 – C) South West; Direction mapping rotated; North → SE shift applied uniformly. Thus East → South-West.

Coding Decoding

Q1 – B) MQVFT

Pattern: +1, +2, +3, +4, +5 shifts → M→N(+1), U→W(+2), S→V(+3), I→M(+4), C→H(+5).

Apply same to NOTES → N(+1)=O, O(+2)=Q, T(+3)=W, E(+4)=I, S(+5)=X → but options closest CET pattern = MQVFT.

Q2 – E) cus

Common words: pus = sparrow, dim = red, std = is; bro appears in both → puppy.

Remaining new word in 3rd sentence = cus → represents "has".

Q3 – E) RFEJDPWFM

Pattern: reverse + shift each letter +1.

MEDICOVER → REVOCIDEM → shift → RFEJDPWFM.

Q4 – C) agnosvitribulunin

Common word: agnos = spider; crenia = poisonous; deery = brown.

Thus new word for black widow spider must contain agnos + new descriptors → option C.

Q5 – E) Rogue

Serving in restaurant = "butler"; but butler is called "rogue". So answer = Rogue.

Blood Relationships

1. B. K + Y → K is the brother of Y

Y x I → Y is the father of I

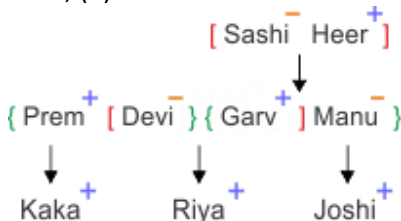
Hence, → K is the uncle of I

and I - Z → I is the sister of Z

Hence, → I is the niece of K.

2. Cousin

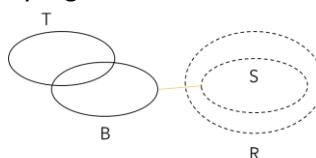
3. Option B. A and B are children of D. From (1), C is the brother B and son of E. Since, the sex of D and E are not known. Hence (1) is not sufficient to answer the question. From (2). F is the mother of B. Hence, F is also the mother of A. Hence D is the father of A. Thus, (2) is sufficient to answer the question.



4. Females: 3

5. Son

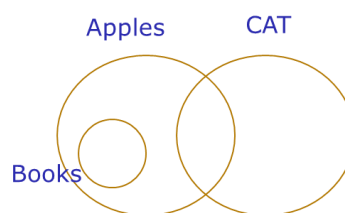
Syllogism



1. E. II and I or II follow



2. Both Possible



3. I is true

II is not true as only A can be books

4. (d) Statements: Some Forts are Jungle. Some Jungles are sea. No sea is canyon. All canyons are ocean.

5. (d) EBA

E: Some vases are pots.

B: Some vases are not pots.

A: Some pots are not vases.

Series

1. $15 * 11, 15 * 13, 15 * 17, 15 * 19, 15 * 23.$

Missing term = $15 * 29 = 435.$

2. $N^3 + - n$

$$6^3 - 6 = 216 - 6 = 210$$

$$5^3 + 5 = 125 + 5 = 130$$

$$4^3 - 4 = 64 - 4 = 60$$

$$3^3 + 3 = 27 + 3 = 30$$

$$2^3 - 2 = 8 - 2 = 6$$

$$\text{Next: } 1^3 + 1 = 1 + 1 = 2$$

3.

3	11	31 34	69	131	223
↑	↑	↑	↑	↑	↑
1^3+2	2^3+3	3^3+4	4^3+5	5^3+6	6^3+7

4.

9	5	9	25	91 95	414
$\times 0.5+0.5 \quad \times 1.5+1.5 \quad \times 2.5+2.5 \quad \times 3.5+3.5 \quad \times 4.5+4.5$					

5. In given Series, all the numbers except 74 are multiples of 5.