

Directions (Q. 1-6): In this question are given four statements followed by five conclusions, one of which definitely does not logically follow (or is not a possibility of occurrence) from the given statements. That conclusion is your answer.

(Note: You have to take the four given statements to be true even if they seem to be at variance with commonly known facts and then decide which of the given conclusions logically does not follow from the given statements disregarding commonly known facts.)

1. Statements: No toy is a doll.

All guns are toys.

All houses are dolls.

All dolls are baskets.

Conclusions:

- 1) All baskets are toys.
- 2) No gun is a house.
- 3) All guns being baskets is a possibility.
- 4) All houses are baskets.
- 5) No doll is a gun.

2. Statements: Some logics are reasons.

All reasons are arguments.

All arguments are fights.

No fight is a discussion.

Conclusions:

- 1) All discussions being logic is a possibility.
- 2) No discussion is an argument.
- 3) All logics being discussion is a possibility.
- 4) All reasons are fights.
- 5) No reason is a discussion.

3. Statements: All references are mails.

All mentions are references.

All comments are mentions.

No mail is a declaration.

Conclusions:

- 1) No reference is a declaration.
- 2) All comments are mails.
- 3) No mention is a declaration.
- 4) All declarations being comments is a possibility.
- 5) At least some mails are mentions.

4. Statements: Some moments are flashes.

All moments are seconds.

All flashes are instances.

No instance is an hour.

Conclusions:

- 1) All hours being seconds is a possibility.
- 2) No second is a flash.
- 3) No hour is a flash.
- 4) At least some moments are instances.
- 5) At least some seconds are instances.

5. Statements: All circles are spheres.

All spheres are rectangles.

No rectangle is a pyramid.

No pyramid is a triangle.

Conclusions:

- 1) At least some circles are pyramids.
- 2) All triangles being circles is a possibility.
- 3) All rectangles being triangles is a possibility.
- 4) At least some rectangles are circles.
- 5) No pyramid is a sphere.

6. Statements: No hotel is a motel.

All motels are apartments.

All apartments are inns.

No inn is a guest-house.

Conclusions:

- 1) All hotels being inns is a possibility.
- 2) No motel is a guest-house.

3) All hotels being apartments is a possibility.

4) No motel is an inn.

5) No guest-house is an apartment.

Directions (Q. 7-12): Study the following information and answer the questions.

Seven friends, namely L, M, N, O, P, Q and R, like different animated movies, namely Finding Nemo, Rio, Frozen, Up, Lion King, Shrek and Cars, but not necessarily in the same order. Each friend also has a presentation on topics of different subjects, namely Civics, History, English, Geography, Chemistry, Physics and Biology but not necessarily in the same order.

Q has a presentation on Civics and likes neither Frozen nor Up. The one who likes Finding Nemo has a presentation on History. L likes Rio and has a presentation neither on Geography nor on Chemistry. The one who likes Cars has a presentation on Biology. M has a presentation on Physics and does not like Up. The one who likes Up does not have a presentation on Chemistry. O likes Lion King. R does not have a presentation on History and does not like Up. P does not like Up.

7. On which of the following subjects does P have a presentation?

- 1) Chemistry
- 2) English
- 3) Biology
- 4) Other than those given as options
- 5) Geography

8. Four of the following five form a group as per the given arrangement. Which of the following does not belong to that group?

- 1) R— Cars
- 2) Q—Shrek
- 3) N—Up
- 4) M ---Frozen
- 5) P—Rio

9. Which of the following combinations is definitely correct?

- 1) N—Chemistry
- 2) R— History
- 3) L — English
- 4) All the given combinations are definitely correct
- 5) P — Geography

10. Which of the following combinations of movie and subject is definitely correct with respect to N?

- 1) Up — Chemistry
- 2) Other than those given as options
- 3) Shrek — Geography
- 4) Up — Geography
- 5) Finding Nemo — History

11. Four of the following five form a group as per the given arrangement. Which of the following does not belong to that group? -

- 1) Biology—Cars -
- 2) Chemistry- Lion-King
- 3) Civics — Shrek
- 4) English — Frozen
- 5) Geography — Up

12. Which of the following movies does Q like?

- 1) Shrek
- 2) Other than those given as options
- 3) Finding Nemo
- 4) Lion King
- 5) Cars

Sectional Test 5

Directions (Q. 13 - 18): In the given questions, assuming the given statements to be true. Find which of the given four conclusions numbered I, II, III and IV is/are definitely true and give your answer accordingly.

13. Statement: $S > M \geq D > H \leq R \leq T < W$

Conclusions: I. $S > H$

II. $W > H$

III. $R < W$

IV. $M > T$

- 1) Only I, II and III are true.
- 2) Only II is true.
- 3) Only I and II are true.
- 4) Only I and either II or IV are true.
- 5) All I, II, III and IV are true.

14. Statements: $M > U > L \leq N$; $L \geq Y > A$

Conclusions: I. $Y < N$

II. $M > N$

III. $N = Y$

IV. $M > A$

- 1) Only either II or III is true.
- 2) Only IV and either I or III are true.
- 3) Only IV is true.
- 4) Only II is true.
- 5) Only III is true.

15. Statements: $J \geq A > D = E$; $L < A < M$

Conclusions: I. $M < J$

II. $J > L$

III. $D > L$

IV. $E < M$

- 1) Only II is true.
- 2) Only I and III are true.
- 3) None is true
- 4) Only II and IV are true.
- 5) Only I and II are true. ,

16. Statements: $Y > F \leq O \leq P$; $F \geq U < T$

Conclusions: I. $Y > P$

II. $T < F$

III. $O > T$

IV. $P < U$

- 1) Only I is true
- 2) Only II is true.
- 3) Only III is true.
- 4) None is true.
- 5) Only I and IV are true.

17. Statement: $M > H \leq Y \leq R < U = Z \geq E$

Conclusions: I. $M > R$

II. $Z \leq R$

III. $R > E$

IV. $Z > H$

- 1) Only I and II are true.
- 2) Only IV is true.
- 3) None is true.
- 4) Only II and IV are true.
- 5) Only II and III are true.

18. Statement: $P > Q \leq C \leq B = M > D$

Conclusions: I. $M > Q$

II. $D \leq Q$

III. $M = Q$

IV. $C > D$,

- 1) None is true
- 2) Only IV is true.
- 3) Only either I or III is true.
- 4) Only II and I are true.
- 5) Only I is true.

19. If Neena says, "Anita's father Raman is the only son of my father-in-law Mahipal", then how is Bindu, who is the sister of Anita, related to Mahipal ?

- 1). Niece
- 2). Daughter
- 3). Wife
- 4). Daughter-in-law
- 5). None of these

20. In a certain code language, '743' means 'mangoes are good' ; '657' means 'eat good food' and '934' means 'mangoes are ripe'. Which digit means 'ripe' in that language ?

- 1). 9
- 2). 4
- 3). 5
- 4). 7
- 5). None of these

Answers:-

1. 1
2. 3
3. 4
4. 2
5. 1
6. 4
7. 4
8. 5
9. 3
10. 4
11. 4
12. 1
13. 1
14. 2
15. 4
16. 4
17. 2
18. 3
19. 5
20. 1