

CHAPTER : SYLLOGISM

Topics to be covered:

- What is Syllogism
- How to solve syllogism problems
- Drawing Venn diagram
- Solving problems as mentioned below

In each group of questions below are given two/three statements followed by two conclusions numbered I and II. You have to take the 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 follows from the two/three statements, disregarding commonly known facts. Give answer

- 1) if only conclusion I follows.
- 2) if only conclusion II follows.
- 3) if either conclusion I or conclusion II follows.
- 4) if neither conclusion I nor conclusion II follows.
- 5) if both conclusion I and conclusion II follow.

Q1. Statements:

All books are magazines.

No magazine is a newspaper.

Conclusions:

I. No book is a newspaper.

II. Some magazines are books.

(Q2-3): Statements:

Some mobiles are telephones.

All telephones are pagers.

No pager is a camera.

Q2. Conclusions:

I. Some mobiles are definitely not cameras.

II. No mobile is a camera.

Q3. Conclusions:

I. All telephones are cameras.

II. All mobiles being telephones is a possibility.

(4-5): Statements:

No cube is a cuboid.

Some cuboids are rectangles.

All squares are cubes.

Q4. Conclusions:

I. No cuboid is a square.

II. All cubes being rectangle is a possibility.

Q5. Conclusions:

I. No rectangle is a square.

II. No cube is a rectangle.

Q6. Statements:

All fruits are vegetables.

Some vegetables are pulses.

Some pulses are not cereals.

Conclusions:

I. Some vegetables are not cereals.

II. All vegetables being fruits is a possibility.

Q7. Statements:

All schools are colleges

All schools are universities

No university is a campus.

Conclusions:

I. All colleges are universities

II. All schools being campus is a possibility.

Q8. Statements:

Some exams are tests.

No exam is a question.

Conclusions:

I. No question is a test.

II. Some tests are definitely not exams.

(9– 10): Statements:

All forces are energies.

All energies are powers.

No power is heat.

Q9. Conclusions:

I. Some forces are definitely not powers.

II. No heat is force.

Q10. Conclusions:

I. No energy is heat.

II. Some forces being heat is a possibility.

Q11. Statements :

No bottle is a jar.

All cans are jars.

All cans are tumblers.

Conclusions (I) :

At least some cans are bottles.

Conclusions (II) :

No tumbler is a bottle

Q12. Statements :

Some prints are designs.
All designs are copies.
All copies are motifs.

Conclusions (I) :

At least some copies are prints.

Conclusions (II) :

All motifs being prints is a possibility

Q13. Statements :

No bottle is a jar.
All cans are jars.
All cans are tumblers.

Conclusions (I) :

All tumblers are jars

Conclusions (II) :

All bottles being tumblers is a possibility.

Directions (14-18): In each question below are given four statements followed by two conclusions which is numbered as I, and II. 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.

Mark your answer as –

- (a) If only conclusion I follows.
- (b) If only conclusion II follows.
- (c) If either conclusion I or conclusion II follows.
- (d) If neither conclusion I nor conclusion II follows.
- (e) If both conclusion I and conclusion II follow.

Q14. Statements:

All A is B.
Some B is not C.
All C is D.
No A is E

Conclusions:

- I. All C can be B
- II. Some B can be D

Q15. Statements:

Some M is N.
Some N is P.
All P is Z.
No Z is X

Conclusions:

- I. Some N is Z
- II. Some N is X

Q16. Statements:

No J is K.
Some K is D.
Some D is E.
No E is F

Conclusions:

I. Some E is K
II. Some D is F

Q17. Statements:

All W is V.
Some W is Y.
All Y is Z.
Some W is E

Conclusions:

I. Some E is V
II. Some E is Y

Q18. Statements:

Only D is E.
No E is F.
All F is G.
Some G is H

Conclusions:

I. Some G is F
II. Some G is not E

Directions (19-23): Question consists of five statements followed by five conclusions. Consider 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 does not logically follow from the given statements using all statements together.

Q19. Statements:

All M are N.
All N are C.
No D is N.
All K are F.
Some K are D

Conclusions:

- (a) Some K are not N.
- (b) Some C can be K.
- (c) Some F is C.
- (d) No M are D
- (e) All N can be K.

Q20. Statements:

All D is E.
Some D is P.
No P is K.
All K are L.
Some L are T

Conclusions:

- (a) All P can be T
- (b) All L can be P
- (c) All D can be P
- (d) Some E is P
- (e) Some T can be K.

Q21. Statements:

Some A is B.

Some B is K.

All K are T.

No M is K.

Some M is N

Conclusions:

(a) Some T can be M

(b) All M being T is a possibility

(c) Some K can be M

(d) All M can be B

(e) Some B is A

Q22. Statements:

Some W is X.

All X is Y.

No Y is T.

No T is K.

Some K is L.

Conclusions:

(a) All X can be T

(b) All L can be Y

(c) All X can be K

(d) Some Y is W

(e) No K is T.

Q23. Statements:

No P is Q.

Some Q is R.

Some R is not S.

Some S is T.

All T is V

Conclusions:

(a) All S can be R

(b) All S can be V

(c) Some S is V

(d) Some R is T