

**Chapter - 17**

**SYLLOGISM**

**Answer Key with Step-by-Step Solutions**  
**Includes: All MCQs + Extra PYQs with Detailed Explanations**

## Previous Year Questions

Directions (1 - 6): In each of the questions given below are given some statements followed by some conclusions. Read all conclusions and give the answer as follows—

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

1. Statements : Some walls are windows.  
Some windows are doors.  
All doors are roofs.  
Conclusions : I. Some doors are walls.  
II. No roof is a window.
2. Statements : All switches are plugs.  
Some plugs are bulbs.  
All bulbs are sockets.  
Conclusions : I. Some sockets are plugs.  
II. Some plugs are switches.
3. Statements: Some ovens are refrigerator.  
Some refrigerators are ACs.  
Conclusions: I. Some ACs are ovens.  
II. No. AC is oven.
4. Statements: All planes are birds.  
All birds are clouds.  
Conclusions : I. Some planes are clouds.  
II. Some clouds are birds.
5. Statements: Some papers are plastics.  
All papers are clothes.  
Conclusions : I. Some plastics are clothes.  
II. No plastic are clothes
6. Statements : Some cars are bus.  
All buses are trains.  
All trains are cycles.  
Conclusions : I. All buses are cycles.  
II. Some cars are trains.
7. Statements : Some balls are Wickets  
Some wickets are bats  
All bats are football.  
Conclusions : I. Some balls are bats.  
II. Some wickets are football.  
(a) If only conclusion I follows.  
(b) If only conclusion II follows.  
(c) If either conclusion I or II follows.  
(d) If neither conclusion I nor II follows.

Directions (8 - 11): In each of the questions given below are given some statements followed by some conclusions. Read all conclusions and give the answer as follows—

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

8. Statements : Some B are J.  
All J are C.  
All C are T.  
Conclusions: I. All J are T.  
II. Some C are T.
9. Statements : Some P are M.  
Some M are C.  
Some C are K.  
Conclusions : I. Some P are K.  
II. Some C are P.
10. Statements : All P are F.  
Some F are G.  
All G are B.  
Conclusions : I. Some F are B.  
II. Some P are G.
11. Statements : All earths are suns.  
Some suns are planets.  
All planets are Moons.  
Conclusions : I. Some Moons are earths.  
II. No earth is a Moon
12. Statements : Some A are Bs  
Some Bs are Cs  
All Cs are F.  
Conclusions : I. Some A are Cs.  
II. Some Bs are F.  
(a) If only conclusion I follows.  
(b) If only conclusion II follows.  
(c) If either conclusion I or II follows.  
(d) If neither conclusion I nor II follows.

Directions (13 - 17): In each of the questions given below are given some statements followed by some conclusions. Read all conclusions and give the answer as follows—

- (a) If only conclusion I follows.  
 (b) If both conclusions I and II follow  
 (c) If either conclusion I or II follows.  
 (d) If neither conclusion I nor II follows.
13. Statements : Some E are Gs.  
All Gs are J.  
All J are H.  
Conclusions : I. All Gs are H.  
II. Some J are H.
  14. Statements : Some K are L.  
Some L are M.  
Some M are N.  
Conclusions : I. Some K are N.  
II. Some M are K.
  15. Statements : All D are S.  
All T are S.  
All S are M.  
Conclusions : I. Some M are D.  
II. Some T are M

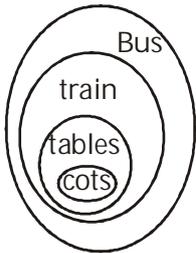


16. Statements : Some Q are T.  
Some T are U.  
Some U are S.  
Conclusions : I. Some S are Q.  
II. Some S are T.
17. Statements : All P are R.  
All R are O.  
All O are buses.  
Conclusions : I. Some buses are P.  
II. Some O are P.
18. Statements : All chairs are tables.  
All tables are women.  
Conclusions : I. All chairs are woman.  
II. All woman are chairs.  
(a) Only conclusion I follows  
(b) Only conclusion II follows  
(c) Only conclusion I and II follow  
(d) Neither conclusion I nor II follows.
19. Statements : All pens are pencils.  
No pencil is monkey.  
Conclusions : I. No pen is monkey  
II. Some pens are monkeys.  
III. All monkey are pens.  
IV. Some monkey are pens.  
(a) Either conclusion II or III follow  
(b) Either conclusion II or IV follow  
(c) Only conclusion I follows  
(d) All conclusion follow
20. Statements : All crows are black.  
Some black things are beautiful.  
Conclusions : I. Some crows are beautiful.  
II. Some beautiful things are black.  
(a) Only conclusion I follow  
(b) Only conclusion II follows  
(c) Only conclusion I and II follows  
(d) Neither conclusion I nor II follows.
21. Statements : Some books are mobiles.  
Some calculators are mobile.  
Conclusions : I. Some mobiles are calculators.  
II. Some mobiles are books.  
(a) Only conclusion I follow  
(b) Only conclusion II follows  
(c) Only conclusion I and II follows  
(d) Neither conclusion I nor II follows.
22. Statements : Some actress are singers.  
All singers are dancer.  
Conclusions : I. Some actress are dancer.  
II. No singer is actress.  
(a) Only conclusion I follow  
(b) Only conclusion II follows  
(c) Neither conclusion I nor II follows  
(d) Either conclusion I or II follows.
- (23 - 29):  
(A) If only conclusion I follows  
(B) If only conclusion II follows  
(C) If both conclusion I and II follow.  
(D) If neither conclusion I nor II follows.
23. Statements : All sticks are plants  
All plants are stem.  
All stems are amphibians.  
Conclusions : I. At least some amphibians are plants  
II. All sticks are stems.
24. Statements : Some A is B  
Some B is C  
No C is D  
Some D is E  
Conclusions : I. All D being B is possibility  
II. All E can never be C.
25. Statements : No hardware is software.  
Some software is keyboard  
All mouse are software.  
Conclusions : I. No mouse is a hardware  
II. Some hardware are mouse
26. Statements : All schools are colleges  
All schools are hospitals  
No hospital is a campus.  
Conclusions : I. All colleges are hospitals  
II. All schools being campus is a possibility
27. Statements : Some mobiles are cells.  
All cells are pagers  
No pager is a camera.  
Conclusions : I. All cells are camera.  
II. All mobiles being cells is a possibility.
28. Statements : Some mobiles are cells  
All cells are pagers  
No pager is a camera.  
Conclusions : I. Some mobiles are definitely not cameras.  
II. No mobile is a camera.
29. Statements : All flats are huts.  
No hut is building.  
All buildings are cottages.  
Conclusions : I. Some cottages being flats is a possibility  
II. No cottage is a hut.
30. Statements : All men are vertebrates.  
Some mammals are vertebrates.  
Conclusions : I. All men are mammals  
II. All manmmals are men  
III. Some vertebrates are mammals  
IV. All vertebrates are men  
(a) Only IV  
(b) Only II  
(c) Only III  
(d) Only I

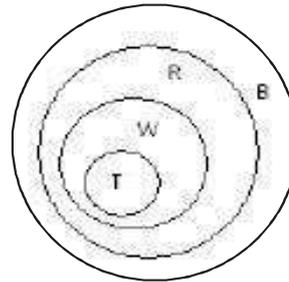


**Practice Set Solutions**

1. (a); Only I follow



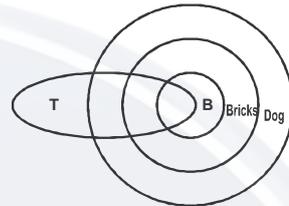
9. (a);



2. (b);



10. (b);



Only II follow

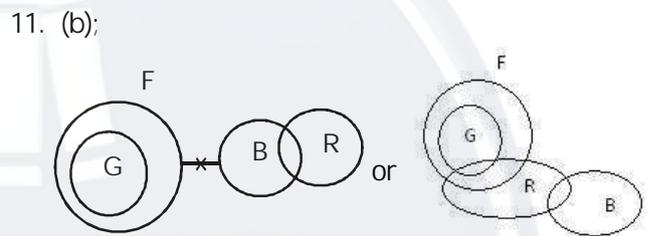
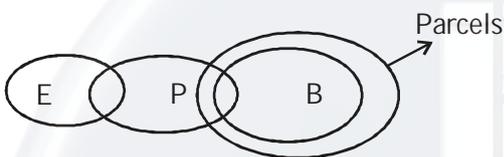
3. (d);



Neither I nor II follow

11. (b);

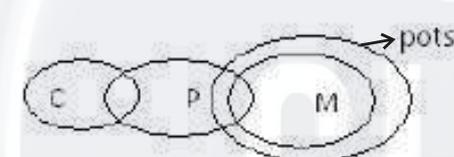
4. (a);



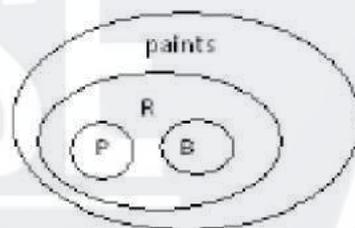
Both follow

neither I nor II follow but both I and II are complimentary pair. So, either conclusion I or II follows.

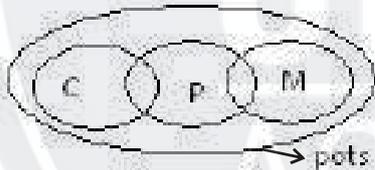
5. (c);



12. (b);

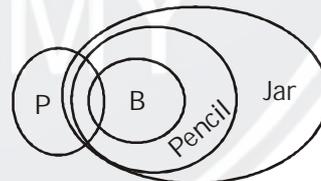


Or



Neither I nor II follow but this is complimentary pair so either conclusion I or II follows

13. (b);



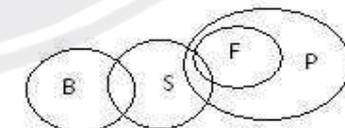
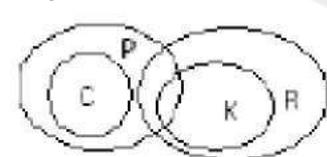
6. (a);



14. (b);

Only I follow

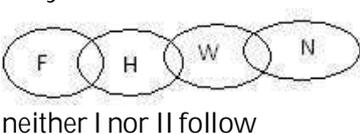
7. (b);



Only II follow

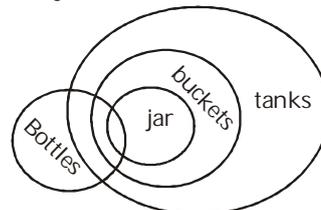
Only II follow

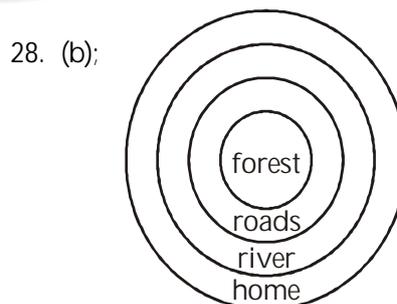
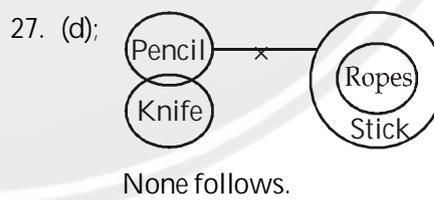
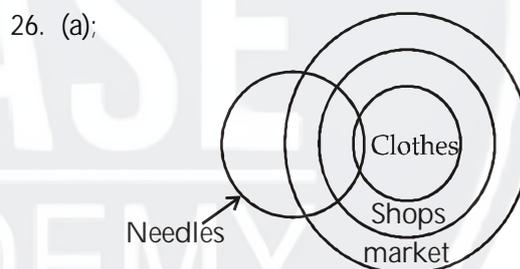
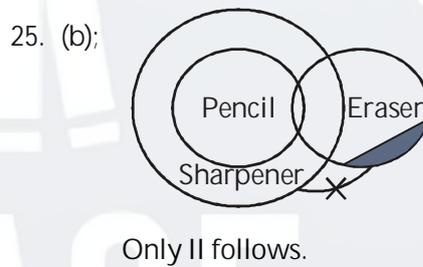
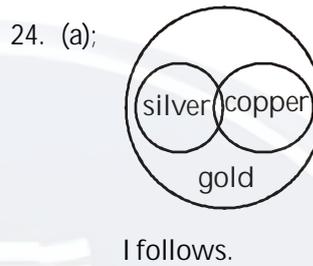
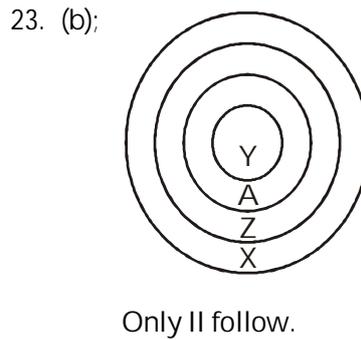
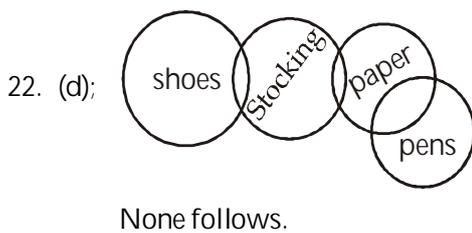
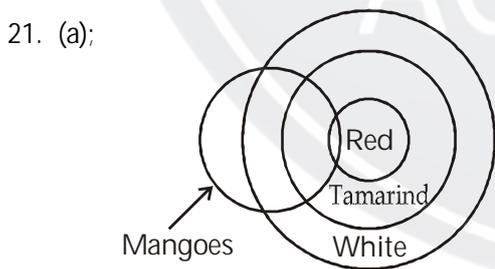
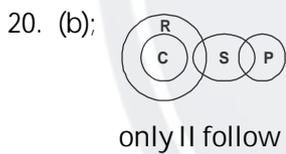
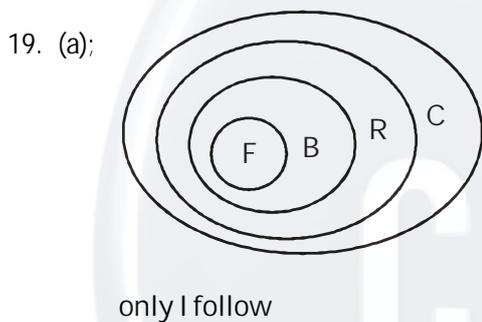
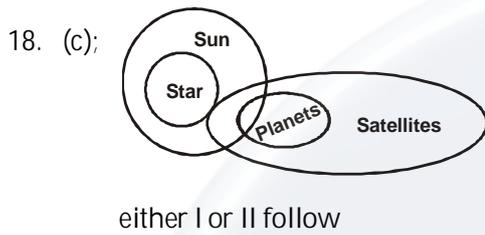
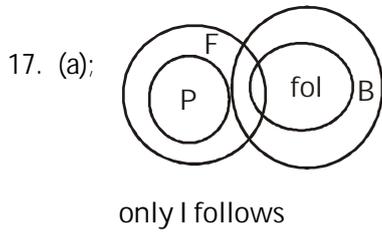
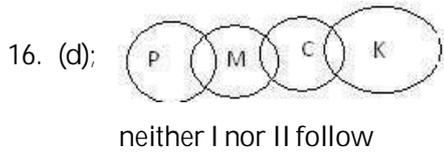
8. (d);

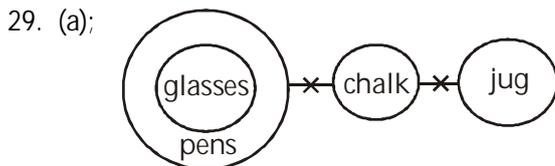


neither I nor II follow

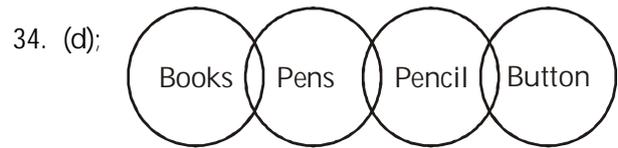
15. (a);



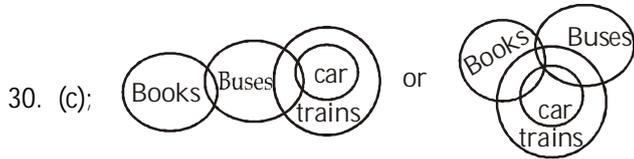




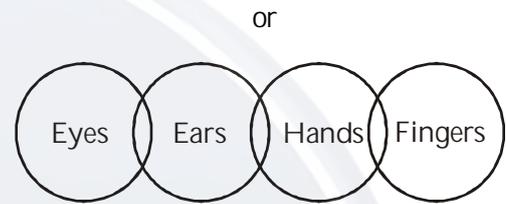
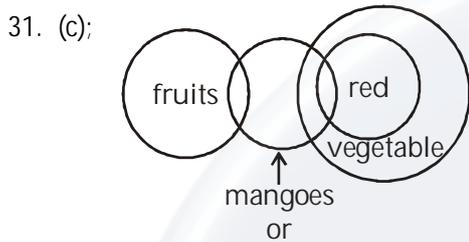
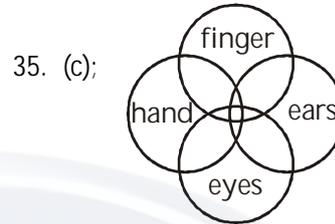
Only I follows.



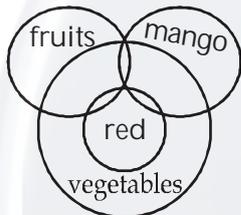
None follows.



Either I or II follow.

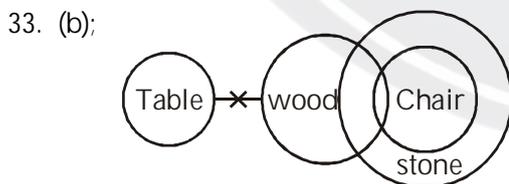
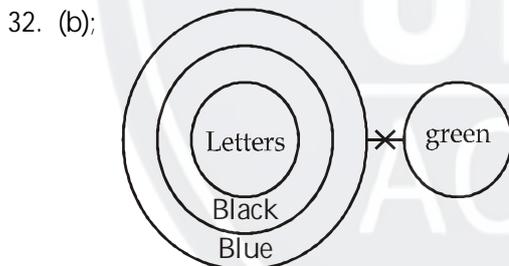
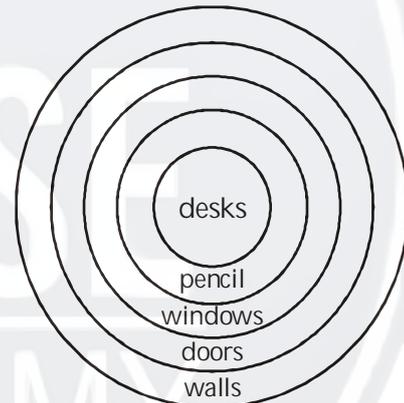


Either I or II follows.

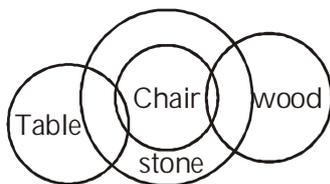


Either I or II follows.

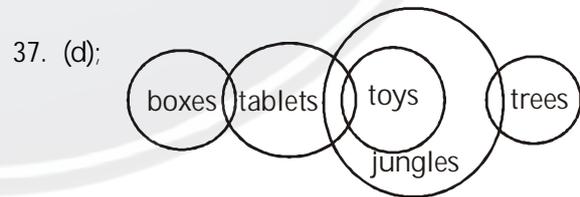
36. (a);



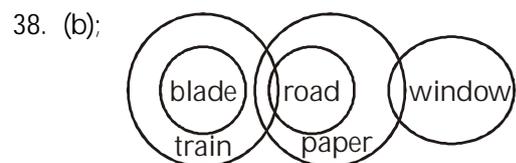
or



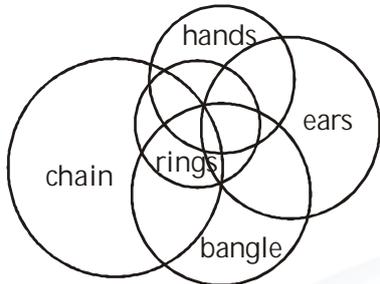
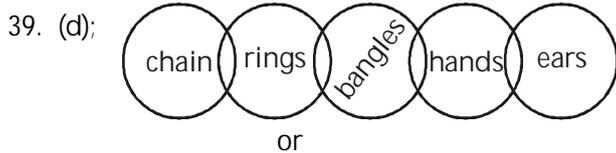
Only II follows.



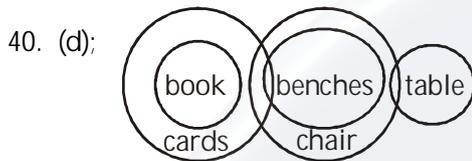
Only II and III follow.



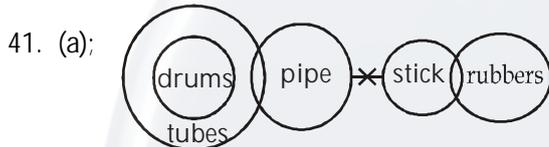
Only II and III follow.



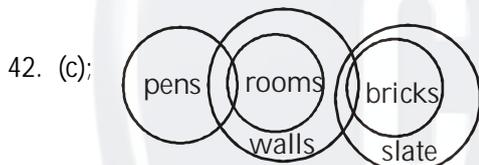
Only either II or IV follow.



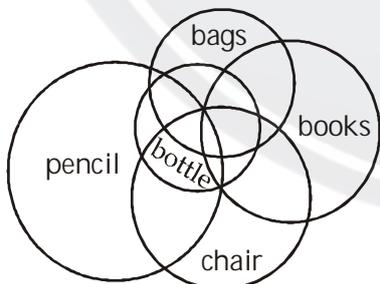
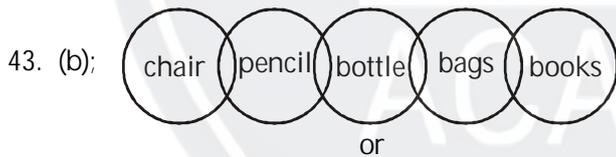
All follow.



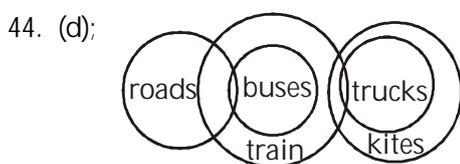
None follow.



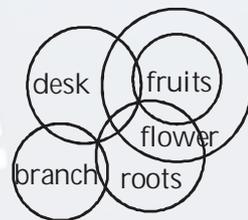
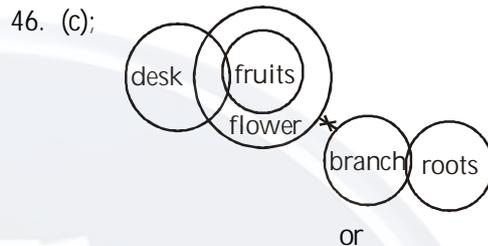
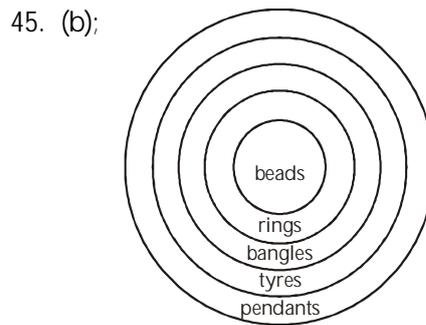
Only I and II follow.



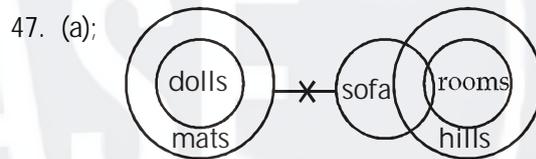
Either I or III follow.



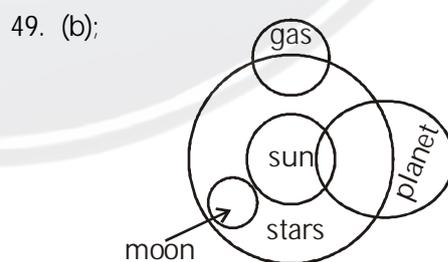
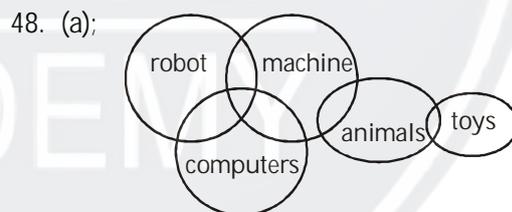
III and IV follow.



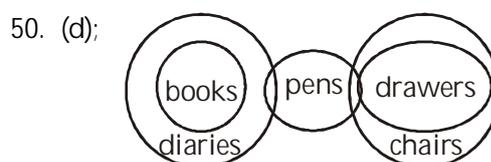
Only either II or IV and III follow.



None follows.



Only I follows.

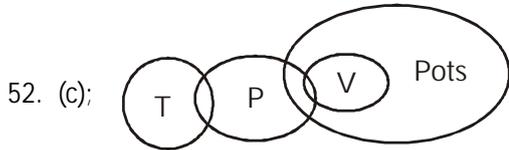


Only II and IV follow.

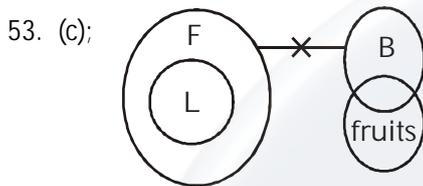
**Distinct Solutions**



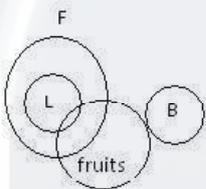
Only II follow



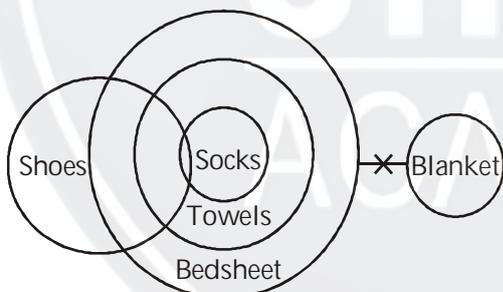
Either I or II follow



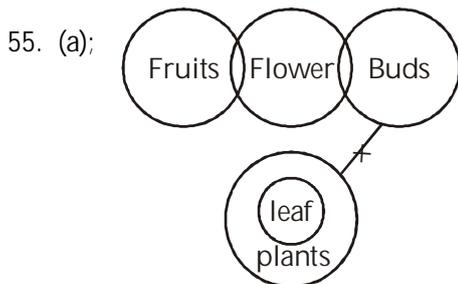
Or



54. (d);

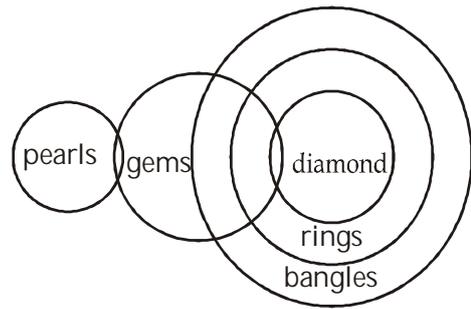


All follow.



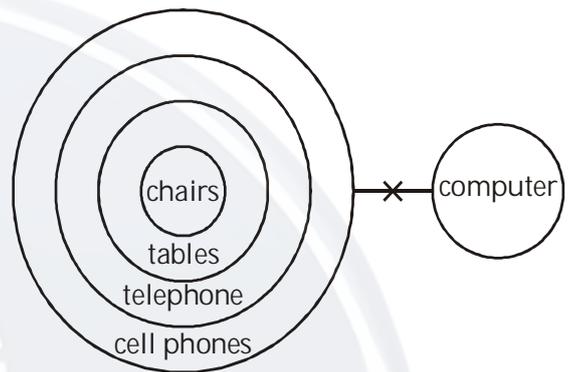
None follows.

56. (c);



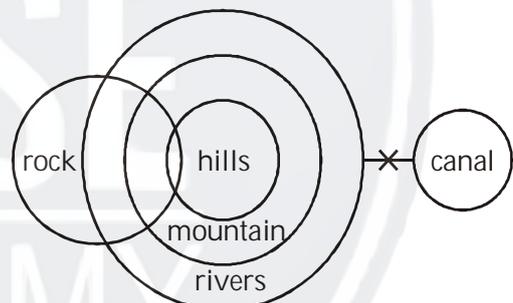
I and III follow.

57. (c);



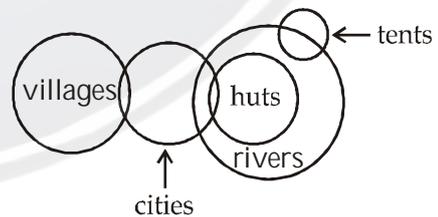
Only III follows.

58. (d);



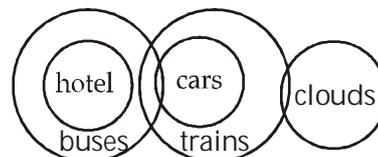
None follows.

59. (b);



Only II follows.

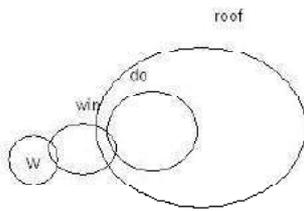
60. (b);



Only I follows.

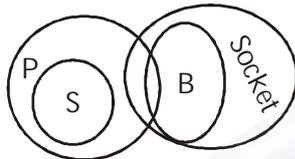
**Previous Year Solutions**

1. (d);



neither I nor II follow

2. (b);



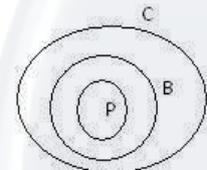
both follow

3. (c);



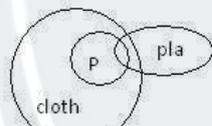
Neither I nor II follow but both I and II are complimentary pairs so, either I or II.

4. (b);



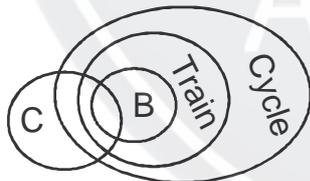
Both follow

5. (a);



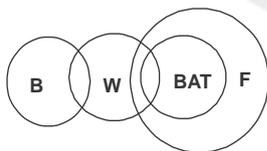
Only I follow

6. (b);



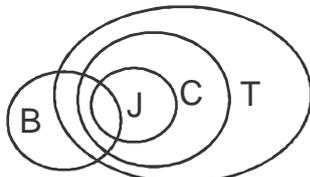
Both follow

7. (b);



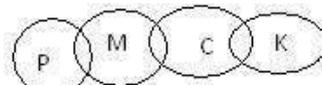
Only II follow

8. (b);



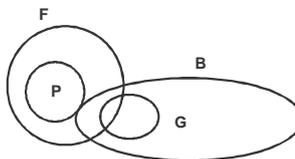
Both follow

9. (d);



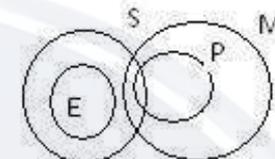
neither I nor II follow

10. (a);



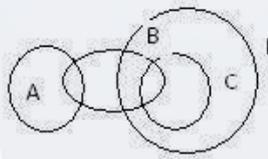
Only I follow

11. (c);



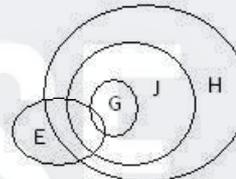
Either I or II follow

12. (b);



Only II follow

13. (b);



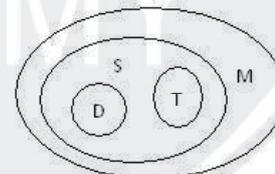
Both I and II follow

14. (d);



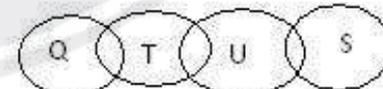
Neither I nor II follow

15. (b);



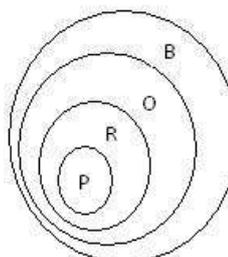
Both follow

16. (d);



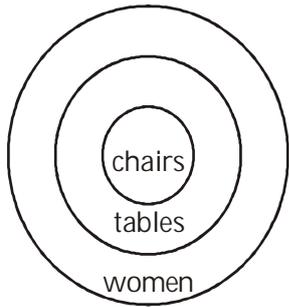
Neither I nor II follow

17. (b);



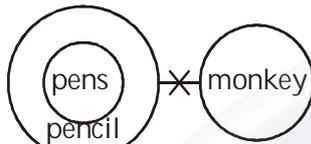
Both follow

18. (a);



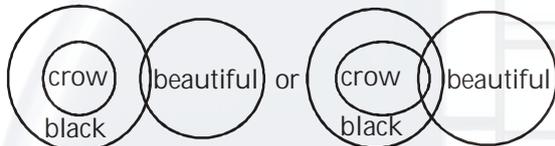
Only I follows.

19. (c);



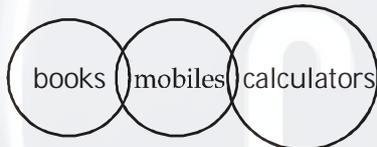
Only I follow.

20. (b);



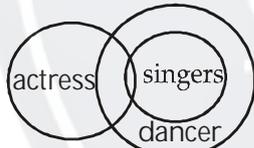
Only II follows.

21. (c);



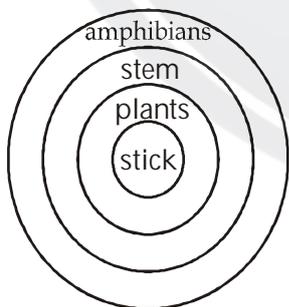
Both follow.

22. (a);



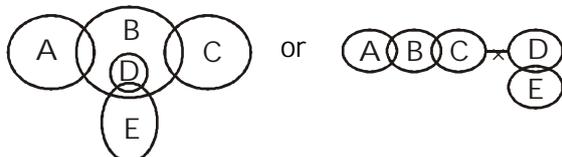
Only I follows.

23. (c);



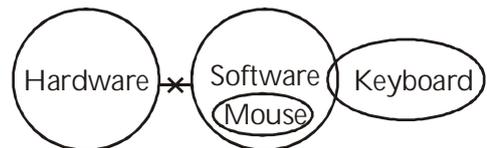
If both conclusion I and II follow

24. (c);



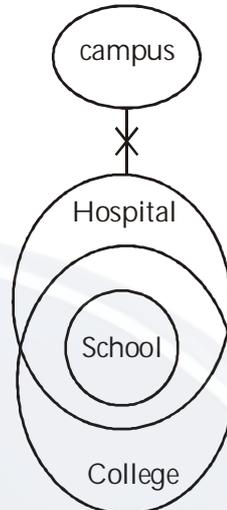
If both conclusions I and II follow.

25. (a);



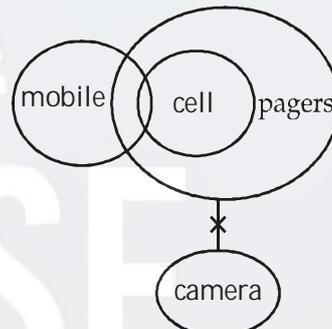
If only conclusion I follows.

26. (d);



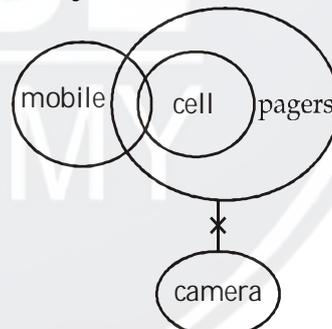
If neither conclusion I nor II follows.

27. (b);



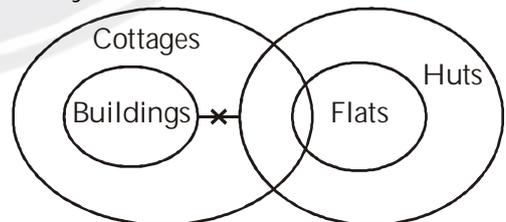
If only conclusion II follows.

28. (a);



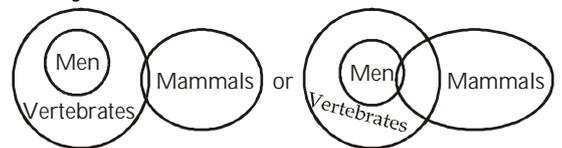
If only conclusion I follows.

29. (a);



If only conclusion I follows.

30. (c);



Only III follows.

