

SYLLOGISM

Doubtful sentence denoted by (-). The doubtful conclusion comes under 'not follows'

Rule.1 If statement is (+ve) then conclusion must be (+ve) and if statement is (-ve) then conclusion must be (-ve)

2. All can be written as some, but Some cannot be written as all.
2. Two negative statements can not be included in a conclusion

Ex. Statement

- (i) No Pen is copy
- (ii) No Copy is Book

Conclusion

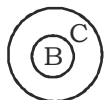
- (i) No pen is book (×)
 - (ii) No book is pen (×)
 - (iii) All pens are books (×)
 - (iv) All books are pens (×)
3. One +ve and One -ve statement concludes as -ve, and not +ve

Ex. Statement

- (i) All B are C. (+ve)
- (ii) No C are D. (-ve)

Conclusion

- (i) All B are D (×)
 - (ii) Some B are D (×)
 - (iii) Some D are B (×)
 - (iv) All D are B (×)
 - (v) No B is D (✓)
 - (vi) NO D is B (✓)
 - (vii) Some D are not B (✓)
 - (viii) Some B are not D (✓)
1. **Statement (i)** All B are C



Conclusion

- (i) No B are C ×
- (ii) Some B are C ✓
- (iii) Some B are not C ×
- (iv) All C are B ×
- (v) No C are B ×

Four Type of Statement	Quantity	Quality	Distributed
(i) All B are C	Universal	Affirmative	Subject only
(ii) No B are C	Universal	Negative	Both Subject and Predicate
(iii) Some B are C	Particular	Affirmative	Neither Subject Nor Predicate
(iv) Some B are not C	Particular	Negative	Predicate only

- (vi) Some C are B ✓
- (vii) Some C are not B (×)
- (viii) At least Some B are C ✓

2. Statement: (i) No B are C



Conclusion:

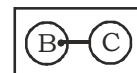
- (i) All B are C ×
 - (ii) Some B are C ×
 - (iii) Some B are not C ✓
 - (iv) All C are B ×
 - (v) No C are B ✓
 - (vi) Some C are B ×
 - (vii) Some C are not B ✓
 - (viii) At least Some B are C ×
3. **Statement (i)** Some B are C



Conclusion

- (i) All B are C (×)
- (ii) No B are C ×
- (iii) Some B are not C (×)
- (iv) All C are B (×)
- (v) No C are B (×)

- (vi) Some C are B ✓
 - (vii) Some C are not B (×)
 - (viii) At least Some B are C ✓
4. **Statement (i)** Some B are not C



Conclusion

- (i) All B are C (×)
- (ii) No B are C (✓)
- (iii) Some B are not C (×)
- (iv) All C are B (×)
- (v) No C are B (✓)
- (vi) Some C are B (×)
- (vii) Some C are not B (×)
- (viii) At least Some B are C (×)

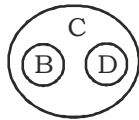
complimentary pair
Either, or

- Rule for complimentary pair
- (i) any one conclusion in affirmative and one should be negative
- (ii) Subject should be same in both conclusion.
- (iii) Predicate should be same in both conclusion

- (iv) All and no have not complementary pair
- (v) If the place is not same and subject and predicate is conclusion than we can change the position,
Some B are D
No D are B
here we can change the position of D and B

Statement:-

All B are C
All D are C



Conclusion:-

Complimentary

- (I) Some B are D +ve
(II) No B are D - ve
- either I or II follow

Conclusion:-

- (I) All B are D
(II) No D are B
(III) No B are D from I and II here
There is no complimentary pair because all and no does not form
Neither I nor II follow

Conclusion

- (I) All B are D
(II) Some B are not D
- either I or II follow

Conclusion

- (I) Some B are D
(II) Some B are not D
- either I or II follow

TYPE - I

Direction (Questions no. 1 – 21)

- (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 II conclusion follow

1. **Statement**

All blades are sharp
Some blades are blunt
No blunt is sword

Conclusion

- (I) All sword being blades is a possibility.
(II) At least some blades may be swords.

2. **Statement**

All flowers are white
Some whites are beautiful

Conclusion

- (I) All flowers being beautiful is a possibility.
(II) At least some white may not be flowers.

3. **Statement:-**

All fruits are tasty.
No tasty is good.
All goods are yummy

Conclusion:-

- (I) All yummy thing being tasty is a possibility.
(II) All fruits being yummy is a possibility.

4. **Statement:-**

All mangoes are grapes.
Some grapes are black.

Conclusion:-

- (I) Some mangoes being black is a possibility
(II) There is a possibility that some mangoes are not black

5. **Statement:-**

All men are dogs.
All dogs are cats.

Conclusion:-

- (I) All men are cats
(II) All cats are men

6. **Statement:-**

All pens are roads.
All roads are houses.

Conclusion:-

- (I) All house are pens.
(II) Some house are pens.

7. **Statement:-**

All pens are chalks.
All chairs are chalks.

Conclusion:-

- (I) Some pens are chairs
(II) Some chalks are pens

8. **Statement:-**

All jungles are tigers.
Some tigers are horses.

Conclusion:-

- (I) Some horses are jungles
(II) No horses is jungles

9. **Statement:-**

Some hens are cows.
All cows are horses.

Conclusion:-

- (I) Some horses are hens.
(II) Some hens are horses.

10. **Statement:-**

Some dreams are nights
Some nights are days

Conclusion:-

- (I) All days are either nights or dreams
(II) Some days are nights

11. **Statement:-**

All fish are tortoise.
No tortoise is crocodile.

Conclusion:-

- (I) No crocodile is a fish
(II) No fish is a crocodile

12. **Statement:-**

All flowers are trees.
No fruit is tree.

Conclusion:-

- (I) No tree is fruit
(II) No fruit is flower

13. **Statement:-**

Some papers are pens.
Angles is a paper

Conclusion:-

- (I) Some Angle is not a pen
(II) Some Angle is a pen

14. **Statement:-**

All stars are moons.
All moons are planets.
All planets are round.

Conclusions:-

- (I) All moons being stars is a possibility.
(II) All stars are round

15. **Statement:-**

All shirts are paints.
No paint is trousers.
Some jacket are paints.

Conclusion:-

- (I) All shirts being jacket is a possibility.
(II) No trousers are shirt.

16. **Statement:-**

Some cakes are pastries.
Some breads are pastries.

- Conclusion:-**
 (I) All pastries being cakes is a possibility.
 (II) There is a possibility that some cakes are breads.
17. **Statement:-**
 All leaves are roots.
 Some leave are branches
Conclusion:-
 (I) Some branches are not leaves.
 (II) At least some roots are branches.
18. **Statement:-**
 All toys are gifts.
 No toy is a reward.
Conclusion:-
 (I) At least some rewards are gifts
 (II) All gifts are toys
19. **Statement:-**
 Some kings are emperor.
 No ruler is a king
Conclusion:-
 (I) No ruler is an emperor
 (II) At least some rulers are emperor.
20. **Statement:-**
 No wish is a demand.
 All wish are claims.
Conclusion:-
 (I) No demand is claim
 (II) All claim are wishes
21. **Statement:-**
 All graphics are designs.
 All patterns are designs
Conclusion:-
 (I) At least some design are graphics.
 (II) No pattern is a graphics.
22. **Statement:-**
 Some books are pens.
 All pens are chairs.
 Some chairs are tables.
Conclusion:-
 (I) Some books are chairs.
 (II) Some chairs are books.
 (II) All tables are chairs.
 (IV) Some tables are chairs.
 (a) All follow.
 (b) Only I, II and IIIrd follows.
- (c) Only I, II and IVth follow.
 (d) Only II, III and IVth follow.
 (e) None of these
23. **Statement:-**
 All cars are jeeps.
 All jeeps are buses.
 All buses are trucks.
Conclusion:-
 (I) All truck are buses.
 (II) All buses are jeeps.
 (III) All jeeps are cars.
 (IV) All cars are trucks.
 (a) None follows
 (b) All follows
 (c) Only III and IV follow
 (d) Only IV fallows
 (e) None of these.
24. **Statement:-**
 Some trees are flowers.
 Some flowers are pencils.
 Some pencils are tables.
Conclusion:-
 (I) Some tables are flowers.
 (II) Some pencils are trees.
 (III) Some tables are trees.
 (IV) Some trees are pencils.
 (a) All follows
 (b) None follows
 (c) Only I and III follows
 (d) Only II and IV follows
 (e) None of these
25. **Statement:-**
 All roads are bricks.
 Some bricks are ropes.
 All ropes are doors.
Conclusion:-
 (I) Some roads are doors.
 (II) Some doors are bricks.
 (III) Some roads are not doors.
 (IV) All doors are ropes
 (a) Only I and II follow.
 (b) Only I, II and III follow.
 (c) Either I or III and II follow.
 (d) either I or III and IV follow
 (e) None of these.
26. **Statement:-**
 Some pins are needles.
 Some thread are needle.
 All needles are nails.
- All nails are hammers.
- Conclusion:-**
 (I) Some pins are hammer.
 (II) Some threads are nails.
 (III) Some pins are threads
 (IV) No pins are thread.
 (a) Only I, II and either III or IV follow
 (b) Only III and IV follow
 (c) Only I and II follow
 (d) All follow
 (e) None of these
27. **Statements:-**
 Some pens are watches.
 Some watch are tyre.
 Some tyre are wheel.
 Some wheels are buses.
Conclusion:-
 (I) Some buses are tyres.
 (II) Some wheels are watches.
 (III) Some wheels are Pens.
 (IV) Some buses are watches.
 (a) None follows
 (b) Only I follows
 (c) Only II follows
 (d) Only III follows
 (e) Only IV follows
28. **Statement:-**
 Some rose are flower
 Some flower is kali
 All kalis are leaves.
 All leaves are trees
Conclusion:-
 (I) Some trees are flower.
 (II) Some roses are kali.
 (III) Some leaves are roses.
 (IV) Some roses are not kali.
 (a) Only I follows
 (b) Only I and II follows
 (c) Only I and either II or IV follows
 (d) either II or IV follows
 (e) None of these
29. **Statement:-**
 Some doctors are advocate
 All teachers are advocate
 Some engineers are advocate
 All engineers are business-man
Conclusion
 (I) Some Teacher are Doctor.

- (II) Some businessman are Advocate.
 (III) Some businessman are Teacher.
 (IV) Some Advocate are Teacher.
 (a) Only I follows
 (b) Only I and II follows
 (c) Only I and either II or IV follows
 (d) Only II and IV follows
 (e) None of these
30. **Statement:-**
 All branches are flower
 All flower are leaves.
Conclusion:-
 (I) All branches are leaves.
 (II) All leaves are branches.
 (III) All flowers are branches.
 (IV) Some leaves are branches.
 (a) None follows
 (b) Only I and IV follows
 (c) Only II and III follows
 (d) Only I and III follows
 (e) All follow
31. **Statement:-**
 All aeroplanes are trains.
 Some trains are chairs.
Conclusion:-
 (I) Some aeroplane are chairs.
 (II) Some chairs are aeroplane
 (III) Some chairs are trains.
 (IV) Some trains are aeroplanes.
 (a) None follows
 (b) Only I and II follows
 (c) Only II and III follows
 (d) Only III and IV follow
 (e) All follow
32. **Statement:-**
 Some bottles are drinks.
 All drinks are cups.
- Conclusion:-**
 (I) Some bottles are cups
 (II) Some cups are drinks
 (III) All drinks are bottles
 (IV) All cups are drinks
 (a) Only I and II follow
 (b) Only II and III follow
 (c) Only II and IV follow
 (d) Only III and IV follow
 (e) Only I and IV follow
33. **Statement:-**
 Some books are pens.
 No pen is pencil.
Conclusion:-
 (I) Some pens are books.
 (II) Some pencils are books.
 (III) Some books are not pencils
 (IV) All pencils are books.
 (a) Only I follow.
 (b) Only II and III follow.
 (c) Only I and III follow.
 (d) Only I and II follow.
 (e) All follow
- Direction (34 – 40):-**
 (a) Only I follow.
 (b) Only II follow.
 (c) If either I or II follows.
 (d) Neither I nor II follows.
 (e) Both I and II follows.
34. **Statement:-**
 All wires are switches.
 No switch is a plug.
 All plug are chargers.
Conclusion:-
 (I) No wire is a charger
 (II) Some charger are definitely not switches
35. **Statement:-**
 All plug is a not wire
 All wire is charger
Conclusion:-
 (I) No plug is a wire
- (II) All wires being charger is a possibility
36. **Statement:-**
 Some wars are battle.
 All fights are wars.
Conclusion:-
 (I) All fights being battle is a possibility
 (II) No fight is a battle
37. **Statement:-**
 All plants are battles.
 All battles are cops.
 All cops are crowns.
Conclusion:-
 (I) At least some crown are battles
 (II) All plants are cops
38. **Statement:-**
 Some shoes are handkerchiefs.
 Some handkerchiefs are calculators.
 All calculators are papers.
Conclusion:-
 (I) No calculator is a shoe
 (II) No shoe is a paper.
39. **Statement:-**
 All zebra are cows.
 All camels are cows.
 All tigers are zebra.
Conclusion:-
 (I) All tigers are cows.
 (II) All camels being tigers is a possibility.
40. **Statement:-**
 Some highways are roads.
 All roads are streets.
Conclusion:-
 (I) All highways being streets is a possibility
 (II) Some streets are not highways

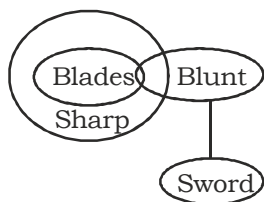
ANSWER KEY

(TYPE -I)

1. (e)	5. (a)	9. (e)	13. (c)	17. (b)	21. (a)	25. (c)	29. (c)	33. (c)	37. (e)
2. (e)	6. (b)	10. (b)	14. (e)	18. (c)	22. (c)	26. (a)	30. (b)	34. (b)	38. (c)
3. (b)	7. (b)	11. (e)	15. (e)	19. (c)	23. (c)	27. (a)	31. (c)	35. (e)	39. (e)
4. (e)	8. (c)	12. (e)	16. (e)	20. (c)	24. (b)	28. (c)	32. (a)	36. (a)	40. (a)

SOLUTION

1. (e)

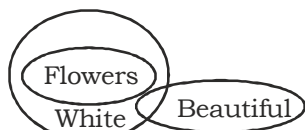


Conclusion

(I) All sword being blades is a possibility.(✓)

(II) At least some blades may be swords.(✓)

2. (e)

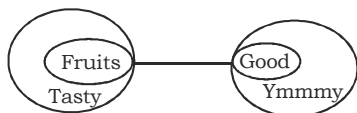


Conclusion

(I) All flowers being beautiful is a possibility.(✓)

(II) At least some white may not be flowers.(✓)

3. (b)

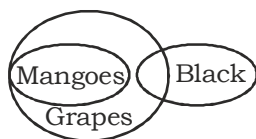


Conclusion

(I) All yummy thing being tasty is a possibility.(✗)

(II) All fruits being yummy is a possibility.(✓)

4. (e)

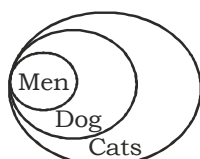


Conclusion

(I) Some mangoes being black is a possibility.(✓)

(II) There is a possibility that some mangoes are not black.(✓)

5. (a)

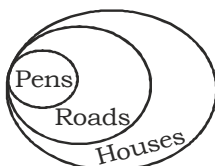


Conclusion

(I) All men are cats.(✓)

(II) All cats are men.(✗)

6. (b)

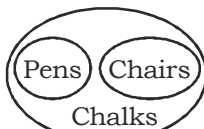


Conclusion

(I) All house are pens.(✗)

(II) Some house are pens.(✓)

7. (b)

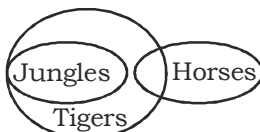


Conclusion

(i) Some pens are chairs.(✗)

(ii) Some chalks are pens.(✓)

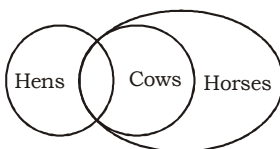
8. (c)



Conclusion

(I) Some horses are jungles] either
(II) No horses is jungles] I or II

9. (e)

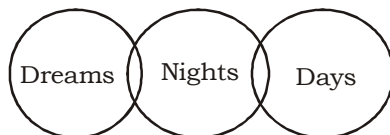


Conclusion

(I) Some horses are hens.(✓)

(II) Some hens are horses.(✓)

10. (b)

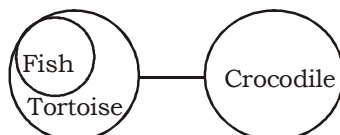


Conclusion

(I) All days are either nights or dreams.(✗)

(II) Some days are nights.(✓)

11. (e)

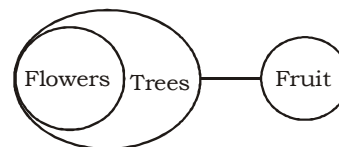


Conclusion

(I) No crocodile is a fish.(✓)

(II) No fish is a crocodile.(✓)

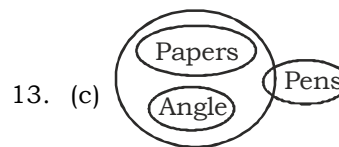
12. (e)



Conclusion

(I) No tree is fruit.(✓)

(II) No fruit is flower.(✓)

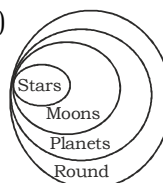


13. (c)

Conclusion

(I) Angle is not a pen] either
(II) Angle is a pen] I or II

14. (e)

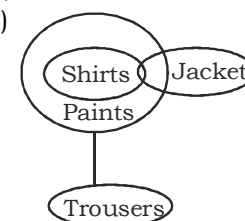


Conclusions

(I) All moons being stars is a possibility.(✓)

(II) All stars are round.(✓)

15. (e)

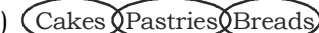


Conclusion

(I) All shirts being jacket is a possibility.(✓)

(II) No trousers are shirt.(✓)

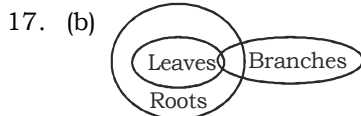
16. (e)



Conclusion

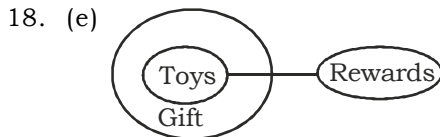
(I) all pastries being cakes is a possibility.(✓)

(II) There is a possibility that some cakes are breads.(✓)



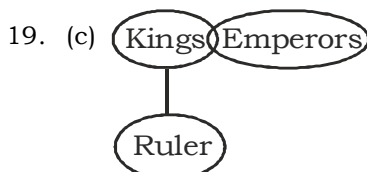
Conclusion

- (I) Some branches are not leaves.(✗)
 (II) At least some roots are branches.(✓)



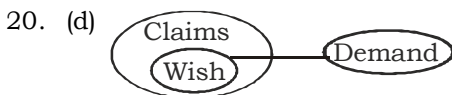
Conclusion

- (I) At least some rewards are gifts.(✗)
 (II) All gifts are toys.(✗)



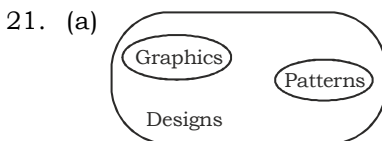
Conclusion

- (I) No ruler is an emperor.
 (II) At least some rulers are emperor.] either I or II



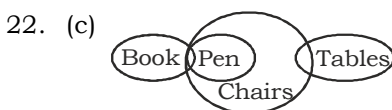
Conclusion

- (I) No demand is claim.(✗)
 (II) All claim are wishes.(✗)



Conclusion

- (I) At least some design are graphics.(✓)
 (II) No pattern is a graphics.(✗)

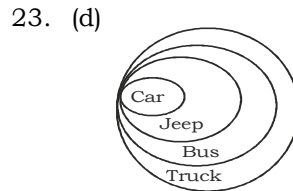


Conclusion

- (I) Some books are chairs.(✓)
 (II) Some chairs are books.(✓)
 (III) All tables are chairs.(✗)
 (IV) Some tables are chairs.(✓)
 (a) All follow.
 (b) Only I, II and IIIrd follows.
 (c) Only I, II and IVth follow.

(d) Only II, III and IVth follow.

(e) None of these



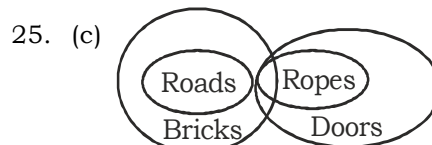
Conclusion

- (I) All truck are buses.(✗)
 (II) All buses are jeeps.(✗)
 (III) All jeeps are cars.(✗)
 (IV) All cars are trucks.(✓)
 (a) None follows
 (b) All follows
 (c) Only III and IV follow
 (d) Only IV follows
 (e) None of these.



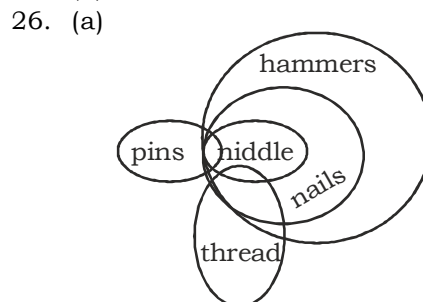
Conclusion

- (I) Some tables are flowers.(✗)
 (II) Some pencils are trees.(✗)
 (III) Some tables are trees.(✗)
 (IV) Some trees are pencils.(✗)
 (a) All follows
 (b) None follows
 (c) Only I and III follows
 (d) Only II and IV follows
 (e) None of these



Conclusions

- (I) Some roads are doors.(✓)
 (II) Some doors are bricks.(✓)
 (III) Some roads are not doors.(✓)
 (IV) All doors are ropes.(✗)
 (a) Only I and II follow.
 (b) Only I, II and III follow.
 (c) Only either I or III and II follow.
 (d) Only either I or III and IV follow
 (e) None of these.

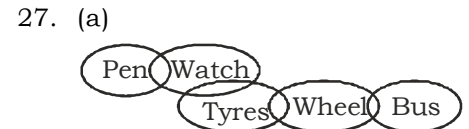


Conclusion

- (I) Some pins are hammer.(✓)
 (II) Some threads are nails.(✓)
 (III) Some pins are threads.
 (iv) No pins are threads.

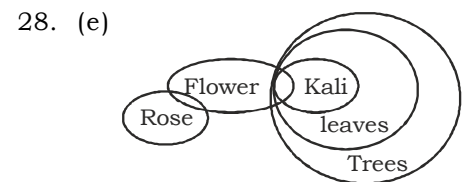
(Either iii or iv)

- (a) Only I, II and either III or IV follow
 (b) Only III and IV follow
 (c) Only I and II follow
 (d) All follow
 (e) None of these



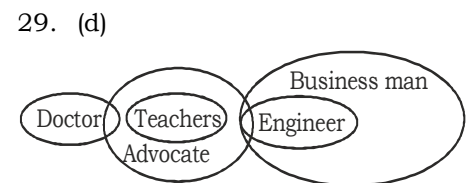
Conclusion

- (I) Some buses are tyres.(✗)
 (II) Some wheels are watches.(✗)
 (III) Some wheels are Pens.(✗)
 (IV) Some buses are watches.(✗)
 (a) None follows
 (b) Only I follows
 (c) Only II follows
 (d) Only III follows
 (e) Only IV follows



Conclusion

- (I) Some trees are flower.(✓)
 (II) Some rose are kali.(✗)
 (III) Some leaves are rose.(✗)
 (IV) Some rose are not kali.(✓)
 (a) Only I follows
 (b) Only I and II follows
 (c) Only I and either II or IV follows
 (d) either II or IV follows
 (e) None of these

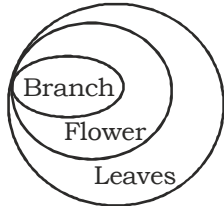


Conclusion

- (I) Some Teacher are Doctor.(✗)

- (II) Some business man are advocate.(✓)
 (III) Some business man are teacher.(✗)
 (IV) Some advocate are teacher.(✓)
 (a) None follows
 (b) Only II follows
 (c) Only III follows
 (d) Only II and IV follows
 (e) None of these

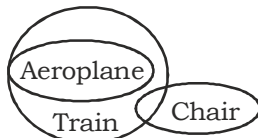
30. (b)



Conclusion

- (I) All branches are leaves.(✓)
 (II) All leaves are branches.(✗)
 (III) All flowers are branches.(✗)
 (IV) Some leaves are branches.(✓)
 (a) None follows
 (b) Only I and IV follows
 (c) Only II and III follows
 (d) Only I and III follows
 (e) All follow

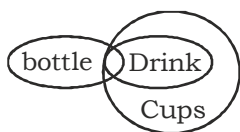
31. (d)



Conclusion

- (I) Some aeroplane are chairs.(✗)
 (II) Some chairs are aeroplane.(✗)
 (III) Some chairs are trains.(✓)
 (IV) Some trains are aeroplanes.(✓)
 (a) None follows
 (b) Only I and II follows
 (c) Only II and III follows
 (d) Only III and IV follow
 (e) All follow

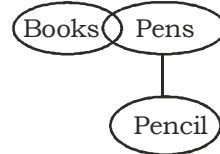
32. (a)



Conclusion

- (I) Some bottles are cups.(✓)
 (II) Some cups are drinks.(✓)
 (III) All drinks are bottles.(✗)
 (IV) All cups are drinks.(✗)
 (a) Only I and II follow
 (b) Only II and III follow
 (c) Only II and IV follow
 (d) Only III and IV follow
 (e) Only I and IV follow

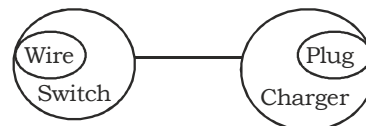
33. (c)



Conclusion

- (I) Some pens are books.(✓)
 (II) Some pencils are books.(✗)
 (III) Some books are not pencils.(✓)
 (IV) All pencils are books.(✗)
 (a) Only I follow.
 (b) Only II and III follow.
 (c) Only I and III follow.
 (d) Only I and II follow.
 (e) None of these

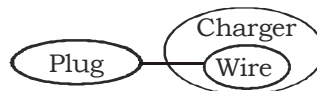
34. (b)



Conclusion

- (I) No wire is a charger.(✗)
 (II) Some charger are definitely not switches.(✓)

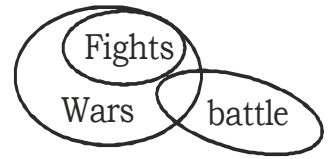
35. (e)



Conclusion

- (I) No plug is a wire.(✓)
 (II) All wires being charger is a possibility.(✓)

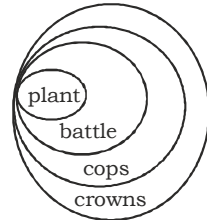
36. (a)



Conclusion

- (I) All fights being battle is a possibility.(✓)
 (II) No fight is a battle.(✗)

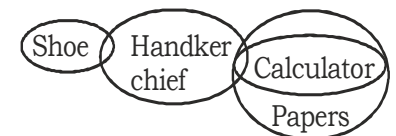
37. (e)



Conclusion

- (I) At least some crown are battles.(✓)
 (II) All plants are cops.(✓)

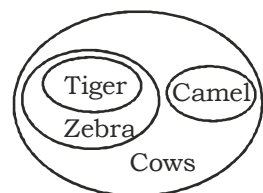
38. (d)



Conclusion

- (I) No calculator is a shoe.(✗)
 (II) No shoe is a paper.(✗)

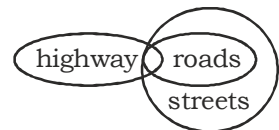
39. (e)



Conclusion

- (I) All tigers are cows.(✓)
 (II) All camels being tigers is a possibility.(✓)

40. (a)



Conclusion

- (I) All high ways being streets is a possibility.(✓)
 (II) Some streets are not high-ways.(✗)

