Deductions

Practice Exercise

Directions (1-10): In each of the questions below are given two 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 from 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.

Give answer (a) if only conclusion I follows.

Give answer (b) if only conclusion II follows.

Give answer (c) if either conclusion I or II follows.

Give answer (d) if neither conclusion I nor II follows.

Give answer (e) if both conclusions I and II follows.

1. Statements: All fish are birds. Some hens are fish.

   Conclusions: I. Some hens are birds.

                         II. No birds are hens.

2. Statements: Some shoes are coats. Some coats are buttons.

   Conclusions: I. No shoe is button.

                         II. Some shoes are buttons.

3. Statements: All bats are boys. All boys are gloves.

   Conclusions: I. Some gloves are bats.

                         II. All bats are gloves.

4. Statements: All puppies are tigers. All tigers are kittens.

   Conclusions: I. All kittens are puppies.

                         II. No puppy is kitten.

5. Statements: All doctors are nurses. All nurses are patients.

   Conclusions: I. All doctors are patients.

                         II. Some patients are doctors.

6. Statements: Some kites are threads. No thread in needle.

   Conclusions: I. Some kites are needles.

                         II. No needle is thread.

7. Statements: Some books are pens. All pens are papers.

   Conclusions: I. Some papers are books.

                         II. All books are papers.

8. Statements: All chairs are buildings. All tables are buildings.

   Conclusions: I. Some chairs are tables.

                         II. Some tables are chairs.

9. Statements: Some trucks are houses. Some houses are trains.

   Conclusions: I. Some trains are trucks.

   II. No train is truck.

10. Statements: All flowers are trees. All flowers are fruits.

   Conclusions: I. Some trees are fruits.

   II. All trees are fruits.

Directions (11-20): In each of the following questions, there are three statements followed by four conclusions numbered I, II, III and IV. Though the statements are at variance from commonly known facts you have to assume them to be true. Read the conclusions and based on the information given in statements, decide which of the options follows from the statements.

11) Statements: All maps are clocks. No chair is clock. Some chairs are clowns.

   Conclusions: I. Some clowns are not maps.   II. Some chairs are maps.

   III. No chair is map.   IV. No map is clown.

   a) None follows   b) Only III follows

   c) Only I and III follow   d) Only either I or IV, and II follow

   e) Only either II or III follows.

12) Statements: Some TVs are computers.

   No computer is radio.

   All radios are cameras.

   Conclusions: I. Some cameras are not computers.   II. All cameras are computers.

   III. Some TVs are not radios.

   a) None follows   b) Only I and III follows

   c) Only II follows   d) Only I and II follows

   e) None of these

13) Statements: Some blankets are beds.

   Some pillows are blankets.

   All beds are pillows.

   Conclusions: I. Some blankets are pillows.   II. Some pillows are beds.

   III. Some beds are blankets.

   a) Only either I or II follows   b) Only I and either II or III follows.

   c) All follows   d) Only III and either I or II follows.   e) None of these.

14) Statements: **All oceans are rivers.**

Some springs are rivers.

All wells are springs.

Conclusions: I. Some springs are oceans. II. Some wells are rivers.

III. Some rivers are oceans. IV. No well is river.

a) None follows

b) Only IV and either I or III follows.

c) Only III and either II or IV follows.

d) Only I and either II or IV follows.

e) All follows.

15) Statements: **Some Rats are Crows. All Crows are Yellows. All Yellows are Rabbits.**

Conclusions: I. All Crows are Rabbits II. Some Yellows are Rats.

III. Some Rats are Rabbits

a) All follow

b) Only I follows.

c) Only II follows.

d) Either I or II follows.

e) None follows

16) Statements: **No paper is pen.**

No pen is pencil.

All erasers are papers.

Conclusions: I. Some papers are erasers. II. No pencil is eraser.

III. No pen is eraser. IV. All papers are erasers.

a) Only II and III follow.

b) Only I, II and III follow.

c) Only I and II follow.

d) All follow.

e) None of these.

17) Statements: All Players are Spectators.

Some Spectators are Theatres.

Some Theatres are Dramas.

Conclusions: I. Some Dramas are Spectators. II. Some Players are Dramas.

III. Some Theatres are Spectators. IV. All Spectators are Players.

a) Only III follows

b) Only II & IV follow.

c) None of these follow.

d) Only I & III follow.

e) All follow.

18) Statements: Some free are discounts.

Some less are discounts.

All less are profits.

Conclusion: I. Some profits are free

II. Some profits are discounts.

a) Only either I follows

b) Only II follows.

c) Only I and II follow

d) None follows

19) Statements: Some Rings are Phones.

Some Phones are Computers.

Some Computers are Stations.

Conclusions: I. Some Stations are Rings. II. Some Phones are Stations.

III. Some Computers are Rings. IV. All Rings are Stations.

a) None follows. b) Only I & II follow.

c) Only I, II & III follow. d) Only II & III follow

e) All follow.

20) Statements: Some roots are stems.

All stems are branches.

All branches are leaves

Conclusions: I. Some leaves are roots.

II. some branches are stems.

a) Neither conclusion I nor conclusion II follows. b) Both conclusion I and conclusion II follow.

c) Only conclusion I follows d) Only conclusion II follows

e) Either conclusion I or II follows

CHECK THE ANSWERS

1	**A**	6	**B**	11	**C**	16	**E**
2	**C**	7	**B**	12	**B**	17	**A**
3	**E**	8	**D**	13	**C**	18	**B**
4	**D**	9	**C**	14	**C**	19	**A**
5	**E**	10	**A**	15	**A**	20	**A**