**SYLLOGISMS**

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| **TYPES OF STATEMENTS** | **SUBJECT** | **PREDICATE** |
| **UNIVERSAL AFFIRMATIVE** | **√** | **×** |
| **UNIVERSAL NEGATIVE** | **√** | **√** |
| **PARTICULAR AFFIRMATIVE** | **×** | **×** |
| **PARTICULAR NEGATIVE** | **×** | **√** |

**Rules for deductions**

1. The middle term should be distributed at least once in the premises. Otherwise no conclusion can be drawn.
2. If both the premises are negative, then no conclusion can be drawn.
3. If both the premises are particular, then no conclusion can be drawn.
4. If both premises are universal the conclusion will be universal.
5. If both premises are affirmative, then the conclusion will be affirmative.
6. If one premise is negative, then the conclusion must be negative.
7. If one premise is particular, then the conclusion must be particular.
8. If the middle term is distributed twice then the conclusion cannot be universal.
9. No term can be distributed in the conclusion, if it is not distributed in the premises.
10. If the major premise is particular and minor premise is negative, one cannot arrive at a conclusion.

**II) In the following questions, two statements are followed by four conclusions. Choose the best conclusions**

1. Statements: No door is dog. All the dogs are cats. Conclusions:1. No door is cat. 2. No cat is door.

3. Some cats are dogs. 4. All the cats are dogs.

A. Only (2) and (4)

B. Only (1) and (3)

C. Only (3) and (4)

D. Only (3)

E. All the four

2. Statements: All green are blue. All blue are white. Conclusions: 1. Some blue are green. 2. Some white are green. 3. Some green are not white. 4. All white are blue.

A. Only (1) and (2)

B. Only (1) and (3)

C. Only (1) and (4)

D. Only (2) and (4)

3. Statements: All men are vertebrates. Some mammals are vertebrates. Conclusions: 1. All men are mammals. 2. All mammals are men. 3. Some vertebrates are mammals. 4. All vertebrates are men.

A. Only (4)

B. Only (2)

C. Only (3)

D. Only (1)

E. Only (1) and (3)

4. Statements: All the phones are scales. All the scales are calculators. Conclusions: 1. All the calculators are scales 2. All the phones are calculators 3. All the scales are phones 4. Some calculators are phones.

A. Only (1) and (4)

B. Only (3) and (4)

C. Only (2) and (4)

D. Only (1) and (2)

E. Only (1) and (3)

5. Statements: Some cars are scooters. No scooter is cycle. Conclusions: 1. No car is cycle. 2. No scooter is car. 3. Some cars are cycles. 4. Some scooters are cars.

A. None of the four.

B. All the four.

C. Only (1) and (4)

D. Only (4)

E. Only (2) and (4)

6. Statements: Some tables are T.V. Some T.V. are radios. Conclusions:1. Some tables are radios.2. Some radios are tables. 3. All the radios are T.V. 4. All the T.V. are tables.

A. Only (2) and (4)

B. Only (1) and (3)

C. Only (4)

D. Only (1) and (4)

E. None of the four.

7. Statements: Some pens are books. Some books are pencils. Conclusions:1. Some pens are pencils. 2. Some pencils are pens. 3. All pencils are pens. 4. All books are pens.

A. Only (1) and (3)

B. Only (2) and (4)

C. All the four

D. None of the four

E. Only (1)

8. Statements: All the goats are tigers. All the tigers are lions. Conclusions: 1. All the goats are lions.2. All the lions are goats. 3. Some lions are goats. 4. Some tigers are goats.

A. All the four

B. Only (1), (2) and (3)

C. Only (1), (3) and (4)

D. Only (2), (3) and (4)

9. Statements: All the books are pencils. No pencil is eraser. Conclusions: 1. All the pencils are books. 2. Some erasers are books. 3. No book is eraser. 4. Some books are erasers.

A. Only (3)

B. Only (1) and (3)

C. Only (1) and (2)

D. Only (2) and (3)

E. Only (3) and (4)

10. Statements: All the research scholars are psychologists. Some psychologists are scientists. Conclusions:1. All the research scholars are scientists. 2. Some research scholars are scientists. 3. Some scientists are psychologists.4. Some psychologists are research scholars.

A. Only (3) and (4)

B. None of the four

C. All the four

D. Only (3)

E. Only (2) and (4)

**Answers**

1. **D. Only (3)**

2. **A. Only (1) and (2)**

3. **C. Only (3)**

4. **C. Only (2) and (4)**

5. **D. Only (4)**

6. **E. None of the four**

7. **D. None of the four**

8. **C. Only (1), (3) and (4)**

9. **A. Only (3)**

10. **A. Only (3) and (4)**