**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.

**I. In each of the following questions two statements are given and these statements are followed by two conclusions numbered (1) and (2). You have to take the given two statements to be true even if they seem to be at variance from commonly known facts. Read the conclusions and then decide which of the given conclusions logically follows from the two given statements, disregarding commonly known facts.**

**Give answer: (A) If only (1) conclusion follows**

**(B) If only (2) conclusion follows**

**(C) If either (1) or (2) follows**

**(D) If neither (1) nor (2) follows and**

**(E) If both (1) and (2) follow.**

1. Statements: Some cows are crows. Some crows are elephants.

Conclusions: Some cows are elephants. All crows are elephants.

2. Statements: All the pencils are pens. All the pens are inks.

Conclusions: All the pencils are inks. Some inks are pencils.

3. Statements: Some dogs are bats. Some bats are cats.

Conclusions: Some dogs are cats. Some cats are dogs.

4. Statements: All the trucks are flies. Some scooters are flies.

Conclusions: All the trucks are scooters. Some scooters are trucks.

5. Statements: All buildings are chalks. No chalk is toffee.

Conclusions: No building is toffee All chalks are buildings.

6. Statements: All cars are cats. All fans are cats.

Conclusions: All cars are fans. Some fans are cars.

7. Statements: Some actors are singers. All the singers are dancers.

Conclusions: Some actors are dancers. No singer is actor.

**Answers**

**1) D – Neither**

**2) E - Both**

**3) D - Neither**

**4) D - Neither**

**5) A – Only first**

**6) D - Neither**

**7) A – Only first**