

B.A.LL.B. (5 Years Course) (CBCS Pattern) Semester-II
UL52C05 - Philosophy-II

P. Pages : 2

Time : Three Hours



GUG/S/25/10103

Max. Marks : 80

- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.

1. Define truth functional compound statement. What are the different kinds of truth functional compound statements? Explain with examples.

OR

How many kinds of symbols are used in compound statement? Explain each symbol.

2. What are the basic principles of the method of shorter truth table? Explain how validity of an argument is determined by shorter truth table method.

OR

Test the validity of the following arguments by using truth table method.

a) $(A \vee B) \supset (A \cdot B)$
 $\sim (A \vee B)$
 $\therefore \sim (A \cdot B)$

b) $(O \vee P) \supset Q$
 $Q \supset (O \cdot P)$
 $\therefore (O \vee P) \supset (O \cdot P)$

3. What is deductive proof? Explain with illustration the method of direct deductive proof.

OR

Construct a formal proof of validity.

a) $(R \vee S) \supset (T \cdot U)$
 $\sim R \supset (V \supset \sim V)$
 $\sim T \therefore \sim V$

b) $J \vee (\sim J \cdot K)$
 $J \supset K \therefore (L \cdot T) \equiv J$

4. Distinguish between singular and general propositions. How are singular propositions symbolized? Explain with examples.

OR

Prove the invalidity of the following:

- a) Some politicians are leaders. Some leaders are not orators. Therefore some orators are not politicians (P_x, L_x, O_x).
- b) Some journalists are not kibitzers. Some kibitzers are not lucky. Therefore some journalists are not lucky. (J_x, K_x, L_x).

5. On the basis of method of definition, how many types of definition? Explain with example.

OR

Explain the three fundamental laws of thought.
