

B.A./2nd Sem/PHI/25(NEP)

2025

2nd Semester Examination (CCFUP : NEP)

PHILOSOPHY

Paper : MI 2-T (Minor)

(Western Logic)

Full Marks : 60

Time : Three Hours

The figures in the margin indicate full marks.

*Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any *five* questions : $2 \times 5 = 10$

1. What is meant by categorical proposition?
2. What do you mean by distribution of terms?
3. What is Immediate Inference?
4. What is validity?
5. What is Mood of Syllogism?
6. What is tautology?
7. What is meant by Existential fallacy?
8. What is Truth function?

P.T.O.

(2)

Group - B

Answer any *four* questions :

9. Use truth-table to characterize the following statements in terms of tautology, self-contradictory or contingent.
- $(p \vee q) \equiv (\sim p \supset \sim r)$
 - $(\sim p \supset \sim q) \supset (p \cdot \sim q)$
10. If the statement "Some philosophers are not scientists" is true, determine the truth values of the following statements.
- All non-philosophers are scientists.
 - Not all non-scientists are non-philosophers.
11. Determine the validity of the following using truth-table.
- $(P \supset (p \cdot \sim q))$
 $q \supset \sim r / \therefore p \supset (p \vee r)$
 - $P \equiv (\sim P \vee q)$
 $P \vee \sim P / \therefore \sim (p \cdot q)$
12. What are the fundamental Laws of thought? Write the general characteristics of the Laws of thought.
13. Conversion of 'O' proposition is not possible — Explain with example.
14. Explain why in Boolean interpretation only contradictory relations remain in Force.

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Group - C

Answer any *three* questions : $10 \times 3 = 30$

- (a) When a proposition is said to have 'existential import'?
- (b) Do all categorical propositions have existential import? Explain with example. $3+7$

Use Venn diagram to test the validity of the following arguments :

- EOO - 4
 - No non-residents are citizens. All non-citizens are non-voters. So all voters are residents. $5+5$
17. (i) Prove that — No standard form categorical syllogism is valid which has two negative premises.
- (ii) What is meant by the Fallacy of denying the antecedent? Explain with example. $5+5$
18. Explain the problem of induction.
19. (i) According to Boolean interpretation conversion by limitation is not valid. Explain.
- (ii) Distinguish between inclusive and exclusive meaning of the word 'or'. $5+5$

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P.T.O.