

TILAK MAHARASHTRA VIDYAPEETH, PUNE
B.A. LL.B. (FIVE YEARS INTEGRATED LAW COURSE)
(SEMESTER PATTERN) CREDIT SYSTEM
EXAMINATION: DECEMBER -2025
FOURTH SEMESTER
Sub.: Logic & Scientific Method (BLW - 4003)

Date :12/12/2025	Total Marks : 60	Time: 2.00 pm to 4.30 pm
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Instructions: 1) All questions are compulsory.
2) Figures to the right indicate full marks.

Q. 1. Define the following terms (10)

1) (Any Four)

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|-------------------------|--------------|-------------|
| 1. Function of Language | 2. Education | 3. Judgment |
| 4. Fallacy | 5. Paradox | 6. Dilemma |

2) (Any one)

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|-----------------------|--------------------------------|
| 1. What is inference? | 2. What is symbolism in logic? |
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Q. 2. Answer the following in 2 to 3 lines: (10)

1) (Any Four)

1. Discuss the use of logic in everyday reasoning.
2. Explain the relationship between logic and language.
3. Explain the deductive method of reasoning.
4. Discuss the inductive method of reasoning.
5. What does the symbol ϵ (epsilon) represent in symbolic logic?
6. What does the symbol $\cdot$ (dot) represents in symbolic logic?

2) (Any one)

- a) Explain : Simple Proposition with example
- b) Explain: Conditional Proposition with example

Q. 3. 1) Write Short notes of the following. (Any One) (16)

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|---|---|
| a. Ad Hominem fallacy & Strawman Argument | b) The Law of Identity & The Law of Non-Contradiction |
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2) (Any one)

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| a. Tu Quoque fallacy & Ignoratio Elenchi fallacy | b. Explain – Research & Hypothesis and its types |
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Q. 4. Answer the Following Questions. (24)

1) (Any One)

- a) Modern Classification of proposition .
- b) Discuss the rules of syllogism.

2) (Any One)

- 1) Explain - Traditional Classification of proposition
- 2) What is scientific method of research, and what role does enquiry play in it? Explain the steps involved in the scientific method and how enquiry helps in each stage?