

Assignment for TEE December 2026 and TEE June 2027

BPYM-163 Logic: An Introduction

Course code: BPYM-163

Marks: 100

Note:

1. Answer all the five questions.
2. All five questions carry equal marks.
3. Answer to question no. 1 and 2 should be in about 400 words each.
4. Some questions have more than one section, kindly read such questions carefully and attempt all the sections.

1. Write a detailed note on the nature, scope and significance of Logic. Discuss the distinction between Logic and other descriptive and normative sciences. 20

Or

What is the difference between Western Deductive Logic and Indian Logic? Discuss the role of Vyāpti as the basis of inference in Nyāya Logic. 20

2. What is a categorical proposition? Explain the four standard-form categorical propositions and discuss their quality, quantity and distribution. 20

Or

a) Write a detailed note on the Square of Opposition. 10

b) State the contrary, contradictory, subcontrary, subaltern and superaltern of the following propositions. 2×5=10

i) All philosophers are thinkers.

ii) Some students are not scholars.

3. Answer any two of the following questions in about 200 words each. 2×10=20

- a) What is the difference between deductive and inductive reasoning? Discuss their main characteristics.
- b) What is analogical reasoning? Explain its nature and significance.
- c) What is a fallacy? Explain the distinction between formal and informal fallacies.
- d) What is the difference between truth and validity? Explain with suitable examples.

4. Answer any four of the following questions in about 150 words each. 4×5=20

- a) What is a proposition? Distinguish between a sentence and a proposition.
- b) Explain the distinction between an argument and an argument-form.
- c) Write a short note on definition and its kinds.
- d) Explain the rules of division.
- e) Write a note on Fallacy of Equivocation.
- f) What is existential import? Explain its significance.

5. Write a short note on any five of the following in about 100 words each. 5×4=20

- a) Validity and Invalidity
- b) Connotation of a Term
- c) Material Implication
- d) Fallacy of Amphiboly
- e) Hasty Generalization
- f) Quality of Categorical Proposition
- g) Distribution of Terms
- h) Obversion