00583

M.A. PHILOSOPHY

Term-End Examination

June, 2011

MPYE-001 : LOGIC

Time : 3 hours   *Maximum Marks : 100*

Note :   *(i)*   *Answer **all five** questions.*

(ii)   *All questions carry **equal** marks.*

(iii)   *Answers to question no. 1 and 2 should be in about 500 words each.*

1.   What is a definition ? Give an account of the   **20**
various rules of proper definition.

OR

Differentiate between Deductive and Inductive   **20**
Logic with illustrations.

2.   Briefly narrate the history of symbolic logic.   **20**

OR

What is proposition ? Explain categorical   **20**
proposition.

3.   Answer *any two* of the following in about
250 words each.

(a)   What is the role of moods in logic ? Explain.   **10**

(b) Distinguish between Extention and Intention in logic. **10**

(c) Discuss the relevance of Digital logic in contemporary world. **10**

(d) What is inference ? Explain its types. **10**

4. Answer *any four* of the following in about *150* words each.

(a) Give a formal proof of validity for the following : A ⊃ (B. C) **5**

         ~ B

     ∴   ~ A

(b) What is Fallacy of Presumption ? **5**

(c) What is meant by proving invalidity ? **5**

(d) What is universal quantifiers ? **5**

(e) Explain modus Ponens ? **5**

(f) What do you mean by Rule of Replacement ? **5**

5. Write short notes on **any five** of the following in about **100** words each.

(a) Tautology **4**

(b) Venn Diagram **4**

(c) Implication **4**

(d) Division **4**

(e) Biconditional **4**

(f) Disjunction **4**

(g) Genus ef differentia **4**

(h) Syllogism **4**