

# Assignment for B. A. Hons (Semester) in Philosophy, 2021

## Semester IV

### 401-PHIH-C-8, Western Logic-I

What is categorical proposition? What is existential import? Do you think every categorical proposition has existential import? Explain with examples. 2+2+10

Or

Write the rules of conversion, obversion, and contraposition with suitable examples. 5+5+4

Or

Use Venn diagrams to test the validity or invalidity of the following arguments:

- (a) All rational beings are not perfect. Man is a rational being. So, man is not perfect.
- (b) No students attended the examination. Some teachers attended the examination. So, some teachers are students.
- (c) University of Calcutta, Mumbai, and Madras are the three oldest universities in India. University of Gour Banga is not (among the group of) three oldest universities in India. So, the University of Gour Banga is not (differs from) the University of Calcutta, Mumbai, and Madras. 4+5+5

### 402-PHIH-C-9, Western Logic-II

State and explain Mill's Method of Difference with suitable symbolic and concrete example. Is the method of Difference a method of discovery? 10+4

Or

Construct formal proof of validity of the following.

(a)  $A \supset (B \vee C)$

$C \supset (B \cdot D)$

$\sim B / \text{Therefore, } A \supset \sim D$

(b) If the first disjunct of a disjunction is true, the disjunction as a whole is true. Therefore, if both the first and second disjuncts of the disjunction are true, the disjunction as a whole is true (F, W, S).

(c) Test the validity or invalidity of the following argument by truth-tree method.

$M \supset N$

$M \supset (N \supset O)$

Therefore,  $M \supset O$

5+5+4

Or

(a) Distinguish between Rules of inference and Rules of replacement. 4

(b) Determine the following statement forms as tautology or self-contradictory or contingent by using truth-table.

(i)  $(q \supset r) \supset [(pvq).(pvr)]$

(ii)  $[pv (q.r)] \equiv [(p.q)v(p.r)]$

5+5

### 403-PHIIH-C-10, Psychology

What is perception? Distinguish between perception and sensation. Discuss the Gestalt theory of perception. 2+5+7

Or

What is memory? What are the factors involved in it? 4+10

Or

(a) How is the I.Q. measured?

(b) Explain Thordike's theory of learning by Trial and Error. 4+10