

63/1 (SEM-1) CC2/PHLHC1026

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(Held in 2023)

PHILOSOPHY

Paper : PHLHC1026

(Logic)

Full Marks : 80

Pass Marks : 32

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Choose the correct option from the following :

1×6=6

(a) How many terms are there in a proposition?

(i) One

(ii) Two

(iii) Three

(iv) Four

- (b) The name of the predicate term of the conclusion in a syllogistic inference is
- (i) major term
 - (ii) minor term
 - (iii) middle term
 - (iv) None of the above
- (c) Validity is concerned with
- (i) argument
 - (ii) sentence
 - (iii) term
 - (iv) logic
- (d) "The position of the subject and predicate will remain same in the conclusion" is a rule of
- (i) conversion
 - (ii) obversion
 - (iii) contraposition
 - (iv) syllogism
- (e) Venn diagram technique is formulated by
- (i) J. S. Mill
 - (ii) John Venn
 - (iii) Russell
 - (iv) Whitehead

(3)

(f) How many valid moods are there in the first figure of syllogism?

(i) Two

(ii) Three

(iii) Four

(iv) Five

2. Answer the following questions : $2 \times 5 = 10$

(a) What do you mean by definition?

(b) What is conversion?

(c) Define immediate inference.

(d) What do you mean by term?

(e) What do you mean by Middle term?

3. Answer any six of the following questions : $5 \times 6 = 30$

(a) What are the rules of contraposition?

(b) Write the basic functions of language.

(c) What are the basic rules of obversion?
Explain briefly.

(d) Why the classification of propositions into A, E, I and O is called four-fold scheme of proposition in Traditional logic?

- (e) Write a short note on mood of syllogism.
- (f) What are the differences between deductive and inductive inference?
- (g) What do you mean by distribution of terms? Explain briefly.
- (h) Write a brief note on informal fallacy.
- (i) Write a note on square of opposition of proposition.

4. Answer any *two* of the following questions :

10×2=20

(a) Determine the validity of the following arguments by means of Venn diagram method :

(i) All cows are grass eater.
Some wild animals are grass eaters
Therefore, some wild animals are cows.

(ii) No happy people are underpaid.
Some teachers are not underpaid.
Therefore, some teachers are not happy people.

(b) What is your conception on agreement and disagreement in belief and attitude? Discuss.

(5)

(c) What is categorical syllogism? Explain the Venn diagram technique for testing standard form of categorical syllogism.

5. Answer any *one* of the following questions :

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(a) What is figure of syllogism? Explain the figures of syllogism with proper symbolic form.

(b) Explain the Nature of argument. How do you distinguish between argument and argument form?

4+10=14

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