

This question paper contains 3 printed pages.

Your Roll No.

SL. NO. : 5157 G
UNIQUE PAPER CODE : 210176
NAME OF PAPER : LOGICAL REASONING
NAME OF THE COURSE : B.A. (PROG.) (PHILOSOPHY) (IN LIEU OF MIL)
SEMESTER : I
Duration : 3 Hours
Maximum Marks : 75

Instruction for Candidates

Write your Roll No. on the top immediately on receipt of this question paper.

Answers may be written *either* in English *or* in Hindi, but the same medium should be used throughout the paper.

Attempt all questions.

1. (a) State whether the followings are true or false: (any five) 5x1= 5
- (i) A deductive argument whose premises are true and conclusion is false must be valid.
 - (ii) Figure and mood together determine a categorical syllogism's logical form.
 - (iii) The conversion of 'All S is P' is 'No S is non-P'.
 - (iv) The 'father' of Logic is Aristotle.
 - (v) 'A' proposition is sub-contrary to 'E'.
 - (vi) In 'I' proposition only predicate term is distributed.
 - (vii) IAI is valid in third figure.
- (b) Fill in the blanks (any five): 5x1= 5
- (i)occur only in the premises and not in the conclusion in a syllogism.
 - (ii) The obversion of 'O' proposition is
 - (iii) is valid only in 1st figure.
 - (iv) 'Might is right' is the characteristic offallacy.
 - (v) In O proposition term is distributed.

- (vi) If 'I' is true then 'A' will be
- (vii) inference occurs when the subject and predicate terms of the proposition are interchanged.

(c) Give brief answers to the following questions: (**any ten**): **10x2= 20**

- (i) What is figure in syllogism?
- (ii) Define existential fallacy with example.
- (iii) What is the difference between premise and conclusion?
- (iv) What do you understand by contradictory relation?
- (v) Explain contraposition.
- (vi) What is fallacy of illicit major?
- (vii) Why is the conversion of 'O' proposition not valid?
- (viii) Give an examples of the fallacy of begging question.
- (ix) Define quality and quantity of a proposition.
- (x) What is the difference between mediate and immediate inference?
- (xi) Give an example of a syllogism which involve both the fallacies of illicit major and minor.
- (xii) Reduce the following sentences to their logical forms.
 - (a) All players are not intelligent.
 - (b) Maximum rules are administrative.

2. Write short notes on **any three** of the following: **3x5= 15**

- (i) Distribution of Terms
- (ii) Contrary and Contradictory relation
- (iii) Truth and validity
- (iv) Categorical Syllogism
- (v) Significance of Logic

3. (a) Arrange **any one** of the following into standard form of categorical syllogism and indicate its **Figure** and **Mood** and test its validity using six rules. **6**

(i) No philosophers are rich persons because no honest people are rich persons and some philosophers are honest people.

(ii) Some actors are not singers. Some singers are not successful that is why some actors are not successful.

(b) Test the validity/invalidity of **any two** of the following: **2x2 = 4**

(i) $\bar{A}OO - III$

(ii) $AAA - II$

(iii) $EAO - IV$

(iv) $AII - I$

4. (a) Identify and explain the informal fallacies committed in the following passages: (**any five**) **5 x2 = 10**

(i) This cold drink is very good because Madhuri Dixit endorses it.

(ii) Men are rational because they have the power of reasoning.

(iii) The people who kill others are criminals. Soldiers kill people. Hence soldiers are criminals.

(iv) River Ganga is a holy river of India. Therefore India is a holistic country.

(v) You should opt for this course because everyone is opting this.

(vi) Mr. X should be elected for Rajya Sabha because he belongs to a well reputed family of the state.

(vii) Do you still bunk your classes?

(b) Define with examples **any two** of the following fallacies: **2x5 = 10**

(i) False Cause

(ii) Argument from ignorance

(iii) The appeal to pity

(iv) Fallacy of accent