



UNIVERSITY OF NORTH BENGAL
B.A. Honours 2nd Semester Examination, 2021

GE2-PHILOSOPHY

WESTERN LOGIC

Full Marks: 60

ASSIGNMENT

*The questions are of equal value.
The figures in the margin indicate full marks.*

- Prepare Assignment on any *three* of the following within 800 words each** 20×3=60
1. (a) Identify the subject and predicate terms and name the form of each of the following propositions: 2½×4 = 10
- (i) All men are not dishonest.
 - (ii) Exploiters can never be socialists.
 - (iii) Only the members are voters.
 - (iv) Fifty percent of the students have passed in mathematics.
- (b) Name the quality and quantity of each of the following propositions, and state whether their subject and predicate terms are distributed or undistributed: 2½×4 = 10
- (i) No cowards are soldiers.
 - (ii) Some students are patriots.
 - (iii) All poets are imaginative persons.
 - (iv) Some persons are not good.
2. (a) Describe mediate and immediate inference with examples. 6
- (b) Explain different rules of obversion with example. 8
- (c) Explain the problem of conversion of 'O' proposition. 6
3. (a) Define tautology, self-contradictory and contingent statement form with examples. 10
- (b) Use truth tables to determine the validity of the following arguments: 5+5 = 10
- (i) Some scholars are poets, all poets are educated, so some educated men are scholars.

(ii) $(p \cdot q) \supset (\sim p \cdot q)$

$\sim (\sim p \cdot q) / \therefore \sim (p \cdot q)$

4. Define 'opposition of proposition'. Explain Square of Opposition with examples. Point out the modern reformation of it. 20
5. (a) Transform the following arguments into standard form and prove the validity by means of syllogistic rule: 5+5 = 10
- (i) Some reformers are fanatics, so some idealists are fanatics, since all reformers are idealists.
- (ii) The old people are weak. The boy is weak. Therefore, the boy is old.
- (b) Transform the following arguments into standard form and prove the validity by means of Venn diagram: 5+5 = 10
- (i) OAO-2nd figure
- (ii) EAE-1st figure
6. Explain with examples the different meanings of the word 'analogy'. Explain the appraisal of Analogical Argument. 4+16 = 20

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