



'समानो मन्त्रः समितिः समानी'

UNIVERSITY OF NORTH BENGAL

B.A. Honours 4th Semester Examination, 2022

GE2-P2-PHILOSOPHY

WESTERN LOGIC

Time Allotted: 2 Hours

Full Marks: 60

*The figures in the margin indicate full marks.
All symbols are of usual significance.*

SECTION-I

1. Answer any **four** questions from the following: 3×4 = 12
- (a) What is Copula? What is the function of it? 1½ + 1½ = 3
- (b) Convert the following: 1½ + 1½ = 3
- (i) Roses are red
- (ii) Only children are happy.
- (c) When is an argument valid? 3
- (d) What does $SP \neq 0$ mean? 3
- (e) Transform the following into standard form of categorical proposition: 1+1+ 1 = 3
- (i) Almost all men are fond of music
- (ii) Every man is not wise
- (iii) Men are never perfect.
- (f) Give one example of deductive argument. 3

SECTION-II

2. Answer any **four** questions from the following: 6×4 = 24
- (a) What is opposition of proposition? Explain Contradictory opposition with example. 2+4 = 6
- (b) What is Conversion? What are the rules of Conversion? Explain with example. 2+2+2 = 6
- (c) Explain fallacy of Illicit major with example. 6
- (d) Determine nature of the following statement / statement form with the help of truth table: 2+2+2 = 6
- (i) $p \equiv [p \cdot (p \vee q)]$
- (ii) $(p \supset q) \equiv [(p \vee q) \equiv q]$
- (iii) Jadu is elected class president, then either Hari is elected vice-president or Ram is elected treasurer.

