



বিদ্যাসাগর বিশ্ববিদ্যালয়

VIDYASAGAR UNIVERSITY

B.A. Honours Examination 2021

(CBCS)

4th Semester

PHILOSOPHY

PAPER—C8T

WESTERN LOGIC—I

Full Marks : 60

Time : 3 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Answer any four questions.

4×15

1. (a) What is hypothetical syllogism? State the difference between pure hypothetical syllogism and mixed hypothetical syllogism.

(b) Explain with example disjunctive syllogism.

(c) Distinguish between inclusive and exclusive sense of the word 'or'.

3+4+3+5

- 2.** (a) What is existential fallacy?
 (b) When a syllogism is said to be invalid due to existential fallacy?
 (c) Give two examples of invalid syllogism that involve existential fallacy
 (use Venn diagram) 4+3+8
- 3.** (a) What is null class? Explain with example.
 (b) According to Boolean interpretation conversion by limitation is not valid
 — Explain.
 (c) Explain why on Boolean interpretation only contradictory relations
 remain in force. 5+5+5
- 4.** State and explain the criteria used in the acceptability of a hypothesis. 15
- 5.** Define argument by analogy. Explain the criteria for appraising an
 analogical argument. 3+12
- 6.** (a) Explain the different senses in which the word 'cause' is used in logic.
 (b) What do you mean by singular cause? Explain. 10+5
- 7.** Explain Mill's method of concomitant variation. 15
- 8.** What is an explanation? Distinguish between scientific and unscientific
 explanation. 3+12
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