

3/PHI-200 Syllabus-2023

2 0 2 5

(Nov-Dec)

FYUP : 3rd Semester Examination

MAJOR

PHILOSOPHY

(**Logic**)

PHI-200

Marks : 75

Time : 3 hours

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

Answer *any five* questions

1. "Logic is the science of correct reasoning."
Do you agree with this statement? Give
reasons for your answer. 1+14=15
2. What is a proposition? Distinguish
Proposition from Sentence and Judgement
with examples. 5+10=15

(2)

3. How is the truth of a proposition related to the validity of an argument? Discuss in detail with the help of illustration. $10+5=15$
4. What do you understand by denotation and connotation? Show how both are inversely related. $5+10=15$
5. Define syllogism. State and explain the rules of categorical syllogism. $3+12=15$
6. What is 'definition' in logic? Explain denotative, connotative and ostensive definition. $3+12=15$
7. What are the rules for definition by genus and differences? Explain fully. 15
8. Write short notes on any *two* of the following : $7\frac{1}{2}\times 2=15$
- (a) Square of opposition
- (b) Argument
- (c) Fundamental laws of thought
- (d) Logical constant and variables

(3)

9. Symbolize any *five* of the following : $3\times 5=15$
- (a) America and Iran will not both raise the price of natural gas.
- (b) It is not the case that neither Mira nor Sita will win the election.
- (c) Tom and Sam both work late only if it is not a holiday.
- (d) Either taxes are increased or if expenditure rises, then the debt ceiling is raised.
- (e) If the king does not Castle and the pawn advances, then either the bishop is blocked or the rook is pinned.
- (f) Atlanta wins their Conference Championship and either Baltimore wins their Conference Championship or Dallas does not win the Seperbowl.
- (g) John and Jacob will both contest for the election.
- (h) You will succeed if and only if you work hard.