



K22P 0140

Reg. No. : .....

Name : .....

II Semester M.A. Degree (C.B.S.S. – Reg./Supple./Imp.)  
Examination, April 2022  
(2018 Admission Onwards)  
**PHILOSOPHY**  
**PHI 2C05 : Symbolic Logic**

Time : 3 Hours

Max. Marks : 60

**PART – A**

Answer **any one** question. Answer should **not** exceed **800** words. **The** answer carries **15** marks.

1. Discuss the rules of replacement.
2. Demonstrate multiply general propositions with examples. (1×15=15)

**PART – B**

Answer **any three** questions. Answers should **not** exceed **400** words. **Each** answer carries **10** marks.

3. Explain attributes of relations.
4. Distinguish between tautologies and contradictions.
5. Elucidate Demorgan's theorems.
6. Write a note on logical equivalence.
7. Give an account of formal Deductive systems. (3×10=30)

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**PART – C**

Answer **any three** questions. Answers should **not** exceed **200** words. **Each** answer carries **5** marks.

8. Define symbolic logic.
9. Explain conditional statements.
10. Elucidate truth functional statements.
11. Discuss the rules of inference.
12. Give an account of quantification rules. (3×5=15)

