



K21P 0481

Reg. No. :

Name :

**First Semester M.A. Degree (CBSS-Reg./Suppl.(Including Mercy
Chance)/Imp.) Examination, October 2020
(2014 Admission Onwards)
PHILOSOPHY
PHI 1C 01 : Logic and Scientific Method**



Time : 3 Hours

Max. Marks : 60

PART – A

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

1. State and explain the traditional square of Opposition.
2. Give an exposition of the seven stages of scientific investigation. (1×15=15)

PART – B

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

3. What is Logic ? Explain its nature and scope.
4. Explain briefly the rules and fallacies of categorical syllogisms.
5. Explain 'rebuttal'. Give a complex constructive dilemma and rebutt it..
6. State the fallacies of relevance.
7. Bring out the criteria for evaluating scientific explanations. (3×10=30)

PART – C

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

8. Distinguish between deduction and induction.
9. Find out the fallacy committed by the following syllogism :
Food is indispensable to life
Plantain is a food
Therefore, plantain is indispensable to life

P.T.O.



10. Write a note on arguments and explanations.

11. Find out the fallacy of the following :

a) All donkeys are animals
 All monkeys are animals
 Therefore all monkeys are donkeys.

b) All men are selfish
 No apes are men
 Therefore no apes are selfish.

12. Bring out the meaning of Cause.

(3x5=15)

PART - A

Answer any one question. Answers should not exceed 800 words. Each answer carries 15 marks.

1. State and explain the traditional square of opposition.
2. Give an exposition of the seven stages of scientific investigation. (1x15=15)

PART - B

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

3. What is Logic? Explain its nature and scope.
4. Explain briefly the rules and fallacies of categorical syllogisms.
5. Explain rebuttal. Give a complex constructive dilemma and rebut it.
6. State the fallacies of relevance.
7. Bring out the criteria for evaluating scientific explanations. (3x10=30)

PART - C

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

8. Distinguish between deduction and induction.
9. Find out the fallacy committed by the following syllogism
 Food is indispensable to life
 Plantain is a food
 Therefore, plantain is indispensable to life