

TB153290A

Reg. No.....

Name

B. A. DEGREE (C.B.C.S.S.) EXAMINATION, OCTOBER 2016
SEMESTER III – COMPLEMENTARY COURSE (ECONOMICS)

EC3C01B - LOGIC

(For Sociology)

Time: Three Hours

Maximum Marks: 80

PART A

I. Answer all questions in one sentence. Each question carries 1 mark

1. Write any three normative sciences.
2. Define proposition.
3. What is inference?
4. Explain the structure of a categorical proposition.
5. What is induction?
6. How can we solve the problem of induction?

(6x1=6)

PART B

II. Answer any seven of the following questions. Each question carries 2 marks

7. Explain deductive reasoning with example.
8. What are the four divisions of the categorical proposition according to quality and quantity?
9. Differentiate between mediate and immediate inference.
10. Write the names of any two mixed syllogism.
11. Write an example for a categorical syllogism.
12. Draw Euler's circle for 'A' and 'I' proposition.
13. Explain Hypothetical syllogism with example.
14. What is Dilemma?
15. What is inductive leap?
16. What is the scientific definition of cause according to J.S. Mill?

(7x2=14)

PART C

III. Answer any five of the following questions. Each question carries 6 marks

17. What are the uses of logic?
18. Draw square of opposition and label the relation.
19. Find out the fallacy committed by the following syllogism and explain it.
All men are mortal
All animals are mortal
∴ All animals are men.

20. What is simple destructive dilemma? Explain with example.
21. What are the characteristics of scientific induction?
22. Draw four figures of a syllogism and explain it.
23. Differentiate between singular terms and absolute terms.
24. What are the laws of thought?

(5x6=30)

PART D (Long Essays)

**IV. Answer any two of the following questions not exceeding four pages.
Each question carries 15 marks**

25. What is Eduction? Briefly explain conversion and obversion and its rules.
26. Explain the rules and fallacies of categorical syllogism.
27. Explain the stages of scientific induction.
28. What is induction? What are the three types of induction? Briefly explain each.

(2x15=30)