

TB141170

Reg No.....

Name.....

**B.A. DEGREE (C.B.C.S.S) EXAMINATION, NOVEMBER 2014**  
**FIRST SEMESTER**  
**COMPLEMENTARY COURSE FOR SOCIOLOGY**  
**ECO1LOG – LOGIC**

Time: 3 hours

Maximum: 80 marks

**Part A**

Answer *all* questions.

Each question carries **1** mark

1. Define Inference.
2. What is a square of opposition?
3. Define causal law according to J.S Mill.
4. Truth is asserted of propositions while validity is asserted of.....
5. What is obversion?
6. Define Denotation and Connotation.
7. Distinguish between Premisses and Conclusion.
8. What is Scientific Induction?
9. Define a valid disjunctive syllogism.
10. What is meant by mixed hypothetical syllogism?

(10x1=10)

**Part B (Short Answer Questions)**

Answer any **eight** of the following questions each in a paragraph  
(not exceeding 100 words)

Each question carries **2** marks

11. What is a Sound argument?
12. What is a Proposition? How is it different from a sentence?
13. Differentiate between Deductive and Inductive inferences.
14. Define subalternation.
15. Discuss the significance of Euler's circle.
16. Distinguish between Mediate and Immediate inference.
17. Identify the form of the syllogism and discuss the validity or invalidity of the argument:  
Food is indispensable to life.  
Plantain is a food.  
Therefore plantain is indispensable to life.
18. What are the Laws of Thought?
19. What is an Inductive Leap?
20. Distinguish between conversion and contraposition.

(P.T.O)

21. State the obverse of the following propositions:  
a) Some college athletes are professionals.  
b) No geniuses are conformists.

22. What is inferential fallacy?

(8x2=16)

### **Part C (Short Essays)**

Answer any **Six** of the following questions in one and a half pages each  
(not exceeding 150 words)

Each question carries **4** marks.

23. What are the postulates of Induction?  
24. Why does an 'O' propositions does not have conversion?  
25. What are the characteristics of scientific induction?  
26. Briefly discuss the rules of conversion and obversion.  
27. Do you think logic helps to strengthen our reasoning abilities? Substantiate your position.  
28. Define Disjunctive and hypothetical syllogisms and bring out the fallacies involved in them.  
29. Discuss the classification of categorical propositions.  
30. Examine Mill's method of causation.  
31. Expound the Figures and Moods of a standard-form Categorical syllogism.

(6x4=24)

### **Part D (Long Essays)**

Answer any **Two** of the following questions not exceeding four pages.

Each question carries **15** marks.

32. What is Scientific Induction? Elucidate the various stages of scientific induction.  
33. Define Categorical syllogism. Analyze the rules and fallacies of categorical syllogism.  
34. Discuss the nature of Logic as a discipline. Is it a descriptive science or a normative science?  
35. Bring out the significance of Logical Dilemma in reasoning

(2x15=30)