

**STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI – 86**  
**(For candidates admitted from the academic year 2004-2005 & thereafter)**

**SUBJECT CODE: SC/AC/LS43**

**B.A. DEGREE EXAMINATION APRIL 2008**  
**BRANCH III - SOCIOLOGY**  
**FOURTH SEMESTER**

**COURSE : ALLIED – CORE**

**PAPER : LOGIC AND SCIENTIFIC METHODS -II**

**TIME : 3 HOURS.**

**MAX.MARKS: 100**

**SECTION – A**

**ANSWER ALL QUESTIONS. EACH ANSWER NOT TO EXCEED 50**  
**WORDS: (10x2=20)**

1. Define by giving two examples for each:  
a) Artist and            b) Socialist
2. Give synonymous definitions for :  
a) Undertaker            b) Observe
3. Give a per genus and difference definition for the following:  
a) Horse and            b) Eve
4. What is the division of Computer into: CPU, Monitor, Printer, Keyboard, and Mouse.
5. Differentiate between Fact and Hypothesis.
6. State any two uses of scientific methods in social sciences.
7. Describe deduction.
8. What is AI?
9. Insert the word missing: Cotton: garments::?: ornaments.
10. Rearrange the following letters, OOOANMTSUU.

**SECTION – B**

**ANSWER ANY FIVE QUESTIONS. EACH ANSWER NOT TO EXCEED 300**  
**WORDS: (5x8=40)**

11. Explain the techniques of definition. Illustrate with examples.
12. Describe the types of division.

13. Write short note on Enumeration and Analogy.
14. Briefly explain the interconnectivity between fact, hypothesis, law and theory.
15. Give scientific views on causation and induction.
16. Abbreviate the following:  
a) FLH      b) VHL      c) ALHISI      d) APPROX
17. Insert the missing  
a) 12,20,30,42,\_\_\_\_,72...  
b)  $48 \times 62 = 24 : : 34 \times 24 = ?$   
c) ALHISI: ZKGHRH : : APPROX:?  
d)

B	A	D	?	F
A    C	D    B	E    A		G    E

### SECTION – C

**ANSWER ANY TWO QUESTIONS. EACH ANSWER NOT TO EXCEED  
1200 WORDS: (2x20=40)**

18. Using Logical division , divide “people of Tamil Nadu” into several ‘Membra Dividentia’, in a step – wise fashion.
19. Write short note of the following:  
a) Differentiate ordinary compute and AI.  
b) Predicate Calculus.
20. Explain the merits and demerits of science and scientific methods in social sciences.
21. Illustrate with examples the different types of observation and Experiments used in Social Science investigations.

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