

Roll No. \_\_\_\_\_

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**SIIS -197 B-17**  
**B.Sc IIIrd Semester Degree Examination**  
**Computer science**  
**(Information System Analysis and Design and COBOL)**  
**Paper :CS-301**

**LIBRARY**  
**SHRIYAN ARYASCIENCE**  
**SCHOLAR COLLEGE**  
**VIJAYAPURAM**

Time : 3 Hours

Maximum Marks : 80

**Section -A**

I. Answer the following questions.

(15×1=15)

1. What is information?
2. What is the purpose of interviewing ?
3. What is a relation?
4. Expand DSS
5. Define Relationship cardinality.
6. What is Normalization?
7. Define entity. Give example.
8. What is a literal?
9. Write the syntax of IF statement.
10. What is level structure? Give example?
11. What is VALUE clause? write its syntax.
12. Define GOTO verb in COBOL.
13. What is an operator?
14. Define STOP-RUN verb of COBOL.
15. What is a file ?

**Section-B**

II. Answer any Five of the following questions.

(5×5=25)

16. Explain different types of information.
17. Distinguish between logical and physical DFD'S

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18. Explain the Attributes of a system analyst.
19. Mention the rules that form a valid data name.
20. Why do we need OCCUR clause in table handling ?
21. Explain Arithmetic verbs used in COBOL
22. Write a COBOL program to find largest of two numbers .

### Section-C

III. Answer any **FOUR** of the following questions. (4×10=40)

23. Explain with a neat diagram the steps involved in system Analyses during SRS.
24. Distinguish between 2 NF and 3NF relation? When we need BCNF.
25. Explain entity relationship model with an eg.
26. What is editing ? Explain any five editing characters with examples.
27. Write a COBOL Program to find the sum of Even and odd numbers upto n.
28. Write short notes on (any two).
  - a) Rename clause
  - b) COMPUTE verb
  - c) IF-ELSE statement.