

Roll No. _____

SIIS 192 B-2K13
B.Sc. IIIrd Semester Degree Examination
Computer Science
(Information System Analysis and Design and COBOL)
Paper - CS - 301

Time : 3 Hours

Maximum Marks : 80

I. Answer the following:

(15×1=15)

- 1) What is meant by strategic Information?
- 2) Who is a system Analyst?
- 3) What are the main sources of information in an organization?
- 4) What is off-line data entry?
- 5) What is K-map?
- 6) What are the types of codes used in system analysis?
- 7) Define Normalization?
- 8) Define the term Relations?
- 9) Which Division of COBOL program describes an algorithm?
- 10) Define Figurative constants?
- 11) Make a comparison between Accept and Read statement?
- 12) Write the general syntax of Go To Verb?
- 13) What is the purpose of Value Clause in COBOL?
- 14) Name Input and Output verbs?
- 15) What are the looping statements in COBOL?

II. Answer any five of the following:

(5×5=25)

- 16) Describe the methods of gathering Information?
- 17) Write the functions of various Department in a university?
- 18) What are the symbols used in DFDS? Explain them?

- 19) Write a brief note on BOYCE - CODD Normal Form (BCNF)?
- 20) Write a brief note on COBOL coding sheet?
- 21) Explain about the given option, ROUNDED option and ON-SIZE ERROR option with any one appropriate arithmetic statement?
- 22) Write a COBOL program to find the factorial of a given number?

III. Answer any four of the following:

(4×10=40)

- 23) Explain the major goals and their information requirements of
 - a) Human Resource Management
 - b) Production Management
- 24) What are the attributes of a system analyst? Explain?
- 25) Write a note on
 - a) Structured English
 - b) Decision Tables?
- 26) What are the four Divisions in COBOL? Explain each in detail?
- 27) What is editing? Illustrate any five editing characters with examples?
- 28) Write a COBOL program to create a sequential file of 50 employees with the following record structure

Employee name : 16 characters

Basic pay : 8 digits

DA : 4 digits

Use perform varying statement.