

CS 302 INFORMATION SYSTEMS AND COBOL

(1998 Admissions)

Time: 3 Hours

Maximum Marks: 100

MODULE - I

- I. (a) Distinguish data, datum, information, information systems with suitable examples. (10)
(b) Write with suitable diagrams and examples the data processing function happening in a business organization. (10)

OR

- II. (a) Distinguish records, files and databases with suitable examples stating the pros and cons of each. (10)
(b) Write short notes on the following:-
(i) Data collection and preparation (ii) Data verification and checking (10)

MODULE - II

- III. Explain the concept of transaction processing in detail with suitable example. For master files and transaction files and flowcharts. (20)

OR

- IV. Explain the file back up and recovery procedures with suitable examples. (20)

MODULE - III

- V. (a) Explain the structure of a Cobol program in detail showing each section, division and paragraphs including optional entries. (10)
(b) Write a Cobol program to check whether a number is paindrome or not. Explain the program. (10)

OR

- VI. (a) Explain the various forms of perform statement and compute statements with examples. (10)
(b) A worker is paid for overtime hours at a rate which is twice the normal rate. The hours worked in excess of 48 hours in a week is considered to be overtime hours. Write COBOL statement to compute the total wages of a worker assuming that the fields RATE & WEEKLY HOURS respectively containing the normal rate and total hours worked in a week. The wages should be rounded. (10)

MODULE - IV

- VII. (a) Write a typical transaction processing application in sequential files. Make clear all your assumptions. (10)
(b) Write in detail SORT & MERGE. (10)

OR

- VIII. (a) Write a COBOL program to implement payroll. Clarify all your assumptions. (10)
(b) Give notes on REWRITE and READ statement. (10)

MODULE - V

- IX. (a) Distinguish RELATIVE indexed sequential files. (10)
(b) Implement a typical transaction processing problem in indexed sequential files. Clarify all your assumptions. (10)

OR

- X. (a) Write short notes on RELATIVE files, ORGANIZATION clause, START & DELETE statements. (10)
(b) What is DYNAMIC access mode? Distinguish it from other modes with suitable examples. (10)

