

**Second Year Examination of the
Three Year Degree Course, 2001**

(Faculty of science

COMPUTER SCIENCE

Paper-II

(File organization Techniques and File Management)

Time : 3 Hours

[Maximum Marks :50]

Attempt **any five** questions,
selecting at least **one** question from each unit,
All questions carry equal marks.

UNIT-I

1. (a) What is the use of USAGE clause in data description? Explain giving examples.

(b) What is the difference between literal and figurative constants in COBOL?

2. Each record of a file called EMP-PAY contains, among other things, a field called EMP-CODE which indicates the id of an employee and three PAY, I-TAX, and DESIG.

Write a program in COBOL to find number of employee in each of the following three categories and display total pay and income tax : clerk , supervisor and Manager.

UNIT-II

3. (a) What is the use of ROUNDED and ON SIZE ERROR clauses in arithmetic verbs? Explain giving syntax and examples.

(b) Explain giving examples the verbs used for data movement.

4. Input-output to a COBOL program is normally performed using a file. Why? What is significance of OPEN and CLOSE statements in COBOL? What are the actions performed on execution of READ and WRITE statements respectively.

UNIT-III

5. What is the purpose of RENAME and REDEFINES clauses in COBOL? Explain giving suitable examples.

6. XYZ University has 10 students in its ABC programme which has 10 courses. To clear this programme each student has to pass five courses. Write a program in COBOL to store the data in memory as table and declare the results as FAILED or PASSED. (Minimum passing marks are 40%)

UNIT-IV

7. How are direct access files different from index files? Give the instruction to update an indexed file. Give an example also.

8. ABC Company is a pharmaceutical company and maintains records about its 5000 products in a master file in the following format :

Medicine code	5 characters
Medicine Name	50 characters
Quantity in stock	10 digits
Date of Expiry	8 characters

It produces almost all the products everyday. The daily produce of every medicine is stored in a transaction file.

Medicine code	5 characters
Quantity	10 digits

Write a program in COBOL to update master file from the transaction file. Indicate the organisation of master and transaction files you have chosen and why?

UNIT-V

9. Write a short note on modular programming.

10. Explain the MERGE feature of COBOL language giving the complete syntax.