

**First Year Examination of the
Three Year Degree Course, 2001
(Faculty of Commerce/ Arts)
COMPUTER SYSTEM SOFTWARE AND
PROGRAMING
Paper - II**

Time : 3 Hours

[Maximum Marks :75]

Candidate have to attempt **five** questions,
selecting **one** question from each unit,
All questions carry equal marks.

UNIT-I

1. (A) Describe the booting process of computer. 7
(B) Differentiate between autoexec.bat and config.sys files with an example. 8

OR

- (A) Explain the advantages and disadvantages of batch processing. 8

- (B) Write the syntax and the purpose of the following MS-DOS commands : 7

- (i.) FORMAT
- (ii.) PROMPT
- (iii.) BACKUP
- (iv.) XCOPY
- (v.) RECOVER
- (vi.) DEL
- (vii.) ATTRIB

UNIT – II

- 2 (A) Explain the advantages of using GUI and write the features of Windows 95. 8
(B) Write the Login and Logoff procedure in UNIX. 7

OR

- (A) Write the important features of Windows NT 8
(B) Write the basic commands of Windows. 7

UNIT-III

3 (A) What are the various symbols used in Flowcharting ? Give their pictorial representation. 8

(B) What are the decision tables ? When are they preferred to flowcharts? 7

OR

(A) What are the various steps to be followed for constructing a decision table ? 8

(B) What is a generalized algorithm ? Why should programs be general in nature? 7

UNIT-IV

4 (A) What is the purpose of the IF-THEN statement? How does it differ from ON-GOTO statement? 5

(B) Describe the purpose of each of the following library functions : 5

- (1) LEFT\$
- (2) LEN
- (3) MID\$
- (4) STR\$
- (5) VAL

(C) Write a BASIC program to find the following sum : 5

$$S = 1 + x + \frac{x^2}{2} + \frac{x^3}{3} + \frac{x^4}{4} + \frac{x^5}{5}$$

OR

(A) What is conditional Branching operations ? How does this operation differ from unconditional branching operation ? 5

(B) What is a looping operation ? What is the purpose of such an operation? 5

(C) Write a basic program to read the marks obtained by five students in various subjects and print out a list which contains

student names and total marks obtained by each student. 5

UNIT-V

5. (A) What are the differences between a function and a subroutine? 5
(B) Summarize the rules for writing a READ statement and DATA statement. 5
(C) Write a multiple line function in Basic which finds and returns the smallest number in given array of numbers. 5

OR

- (A) What is meant by an one-dimensional array and two-dimensional array?
(B) Write a BASIC program for bubble sorting.