

B.TECH. DEGREE I AND II SEMESTER EXAMINATION IN INFORMATION TECHNOLOGY, ELECTRONICS AND COMMUNICATION ENGINEERING, COMPUTER SCIENCE AND ENGINEERING, CIVIL ENGINEERING (HABITAT ENGINEERING AND CONSTRUCTION MANAGEMENT), MECHANICAL ENGINEERING (CAD/CAM) SAFETY AND FIRE ENGINEERING, JULY 1999

IT/CS/EC/CE/ME/SE 109 COMPUTER FUNDAMENTALS

Time: 3 Hours

Max. Marks: 100

MODULE - I

- I a) With a neat diagram explain the organisation of a computer system. (10)
 b) What do you mean by 'Internet' ? What are the accessories needed to have an internet connection; explain briefly. (10)

OR

- II a) What do you mean by 'booting' of a computer system' ? Explain. (8)
 b) Compare the performance of DOS and Windows operating system with specific examples. (12)

MODULE - II

- III a) What do you mean by subscripted variables ? Discuss its importance in programming applications. (8)
 b) Write a BASIC language program to generate 20 random numbers in the range of 1 and 100. (12)

OR

- IV a) Write a program in BASIC to print the transpose of a matrix of the order of 4 x 3. (10)
 b) Write a program to print square root and square of first N natural numbers (10)

MODULE - III

- V a) Discuss the importance of functions and subroutines in a program development. (8)
 b) Write a program in BASIC to draw a circle and a triangle within the circle. (12)

OR

- VI a) How do you perform 'screen selection' and 'color selection' in BASIC ? explain (10)
 b) Explain about (i) SOUND statement, and (10)
 (ii) BEEP statement.

MODULE - IV

- VII Write a program in BASIC to create a sequential file and store the name of the students and marks of 7 subjects of 120 students. (20)

OR

- VIII a) Discuss the structure of sequential file organisation. (6)
 b) What do you mean by data - appending? explain. (6)
 c) What are the advantages of random access file organisation? Discuss. (8)

MODULE - V

- IX a) Explain the steps involved in creating a DBMS file. (8)
 b) Discuss the difference between SORT and INDEX facilities available in FOXPRO (12)

OR

- X Design a database file in FOX PRO to store the following information of an individual in a village. (20)

Name
 Age
 Address
 Occupation
 Income
 House number
 Land Area

