

B.TECH. DEGREE (F.T) I AND II SEMESTER (COMBINED) EXAMINATION IN INFORMATION TECHNOLOGY/COMPUTER SCIENCE AND ENGINEERING/ ELECTRONICS AND COMMUNICATION ENGINEERING/CIVIL ENGINEERING/ MECHANICAL ENGINEERING/SAFETY AND FIRE ENGINEERING/ELECTRONICS AND INSTRUMENTATION ENGINEERING/BIO MEDICAL ENGINEERING AND (P.T) IN ELECTRONICS AND COMMUNICATION ENGINEERING, JUNE 2000

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

Time: 3 Hours

Max. Marks: 100

MODULE - I

- I a) Explain about the various generation of computers. (10)
- b) Explain the functions of
 - (i) ALU, and
 - (ii) Control unit of a computer system. (10)

OR

- II a) What are the qualities of a word processing package ? Explain briefly. (10)
- b) Discuss the usefulness of flow charts and algorithms in program development. (10)

MODULE - II

- III a) Discuss the rules of using constants and variables in BASIC language. (10)
- b) Write a program in BASIC to obtain average of 'n' numbers. (10)

OR

- IV Write a program to multiply two 4 x 3 matrices. (20)

MODULE - III

- V a) Discuss about 'GET and PUT' statements in BASIC. (8)
- b) Write a program in BASIC to draw a 'nut' and move it across the screen. (12)

OR

- VI a) Explain how you will perform animation ? What is the importance of animation in our day-to-day application ? (10)
- b) Discuss the importance of functions and subroutines in program development. (10)

MODULE - IV

- VII a) Discuss about the various types of file organisation in BASIC. (10)
- b) Write a program in BASIC to create a sequential file. (10)

OR

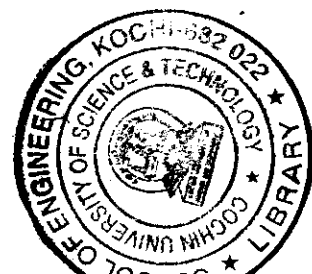
- VIII a) Write a program in BASIC to print the name of students and his/her total marks provided the name and marks of 7 subjects of 120 students are available in a sequential file named MARK.DAT (20)

MODULE - V

- IX a) Define the term 'DBMS' and discuss its importance in data processing. (8)
- b) Illustrate the following facilities in FOXPRO.
 - (i) SORT
 - (ii) INDEX (12)

OR

- X Design a structure for a database file in FOXPRO to store the following information of a student
 - Name
 - Date of Birth
 - Address
 - Date of Admission
 - Class in which Admitted
 - Expected year of completion. (20)



(20)