

S.B. Roll No. \_\_\_\_\_

**COMPUTER PROGRAMMING AND APPLICATIONS**

3<sup>rd</sup> Exam/ECE/6160/May'08

Duration: 3 Hrs.

M.Marks: 75

**Section A**

Q1. Do as directed:

15

- a. In C, size of int variable is \_\_\_\_\_ bytes.
- b. && is \_\_\_\_\_ operator in C.
- c. Define primary key.
- d. Which function is required in all C program.
- e. What is difference between '=' and '=='.
- f. Dbase is a case sensitive language (T/F)
- g. Array of characters is called \_\_\_\_\_.
- h. 'Scanf' is a output statement (T/F)
- i. CAD stands for computer aided drawings (T/F)
- j. CAI stands for \_\_\_\_\_.

**Section B**

Note: Attempt any five questions.

6x5

Q2 i. What is nested-if statements?

- ii. What is difference between sorting and indexing?
- iii. Explain CAE
- iv. Write a program to find real roots of a quadratic equation  $ax^2+bx+c=0$  where  $a \neq 0$ .
- v. Explain relational and logical operator.
- vi. What is difference between list and display all.
- vii. What is difference between getch and getche

**Section C**

Note: Attempt any two questions.

15x2

Q3. Discuss various types of constants.

Q4. Explain features and applications of CAE

Q5. Discuss following C statement

- a. Fopen
- b. Scanf
- c. Gets
- d. Puts
- e. Include Statements

Q6. Explain CAD and CAM.