Code: **EM2T6**

I B.Tech - II Semester-Regular Examinations - July 2014

C PROGRAMMING
(Electronics and Computer Engineering)

Duration: 3 hours   Marks: 5x14=70

Answer any FIVE questions.   All questions carry equal marks

1. a) What is flow chart? Draw the flow chart for finding maximum number in an array of N numbers.   7 M

   b) Write briefly about data types in C.   7 M

2. a) Explain about logical operators with examples.   9 M

   b) Write a program to find largest of three numbers using conditional operator.   5 M

3. a) What is 'switch' statement? Explain with an example. 7 M

   b) What is the difference between 'while' and 'do-while' loops? Explain with examples.   7 M

4. a) What is an array ? Write a program to arrange an array of N numbers in ascending order?   7 M

b) Explain the String standard functions with examples.   7 M

5. a) What is a pointer? Explain the concept of call-by-reference.
7 M
   b) What is a void pointer? Explain the dynamic memory allocations functions with examples.   7 M

6. a) Define function. Explain various types of functions with examples.   7 M

   b) Explain about storage classes in C.   7 M

7. a) What is structure? Explain Structure with suitable example.   7 M

   b) Explain the concept of enumerated data types.   7 M

8. a) What is the difference between Stream and File? Explain different modes of operations on file with examples.   7 M

   b) Explain the following   7 M
      (i) Command line arguments
      (ii) Environment variables
      (iii) Pre-processor statements