

Code: EC1T5, AE1T4

**I B. Tech - I Semester – Regular/Supplementary Examinations
December 2016**

**C - PROGRAMMING
(Common for ECE & AE)**

Duration: 3 hours

Max. Marks: 70

PART – A

Answer *all* the questions. All questions carry equal marks

11 x 2 = 22 M

1.

- a) What is flow chart?
- b) List the functional units of computer.
- c) Write the syntax of printf() and scanf()
- d) What happens if the break is not used in the switch case statements?
- e) Write any two differences of while and do while.
- f) How can we declare and initialize a multi dimensional array?
- g) Define recursion.
- h) Define the term scope of a variable.
- i) What is a null pointer?
- j) Differentiate structure and union.
- k) List different storage classes.

PART – B

Answer any *THREE* questions. All questions carry equal marks.

3 x 16 = 48 M

2. a) Explain the Structure of C program.

8 M

- b) Write briefly about the C Tokens with suitable examples. 8 M
3. a) What are the different types of control statements available 'C'? Explain them with an example. 12 M
- b) Write a program to find the reverse of a given integer using while. 4 M
4. a) Define String and Explain Various String Manipulation Functions. 10 M
- b) Write a program for reversing a string without using Library function. 6 M
5. a) Distinguish between array of pointers and pointer to array with examples. 8 M
- b) Explain pointer to function and function returning pointer with example. 8 M
6. a) Describe structure declaration, initialization and accessing elements. 8 M
- b) Write a program to copy one file data into another file. 8 M