

Code: EE2T6, CE2T6, ME2T6, CS2T6, IT2T6

**I B.Tech - II Semester – Regular Examinations – JULY 2015**

**C - PROGRAMMING**  
**(Common for EEE, ME, CSE, CE, IT)**

Duration: 3 hours

Max. Marks: 70

**PART – A**

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

11x 2 = 22 M

1. a) What is the difference between pointers and array?
- b) What is an unsigned integer constant?
- c) What are the basic data types? Explain.
- d) Write a program that prints the even numbers from 1 to 50.
- e) What is the difference between assembler, compiler and interpreter?
- f) Write the uses of Function.
- g) Define Program. Write the basic structure of C program.
- h) Distinguish between getchar and scanf.
- i) What are the decisions making statement, write their syntax?
- j) What is the difference between strings and character array?
- k) What is the difference between `const char* p` and `char const* p`.

## PART – B

Answer any **THREE** questions. All questions carry equal marks. 3 x 16 = 48 M

2. a) Discuss about an algorithm in C. 8 M

b) What do you understand by operator precedence? Explain the associativity of unary operators. 8 M

3. a) How continue differ from break? 8 M

b) Explain the various control structures with an example. 8 M

4. a) Explain the automatic and static storage classes with an example. 8 M

b) Distinguish between call by value and call by reference. 8 M

5. Explain Dynamic memory allocation. 16 M

6. a) Explain Structures and functions? 8 M

b) Write the syntax for opening a file with various modes and closing a file. 8 M