Code: AE1T4, EC1T5

I B.Tech - I Semester – Regular Examinations – November 2015

C PROGRAMMING
(Common to AE, ECE)

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 the difference between pointers and arrays?
   b) Write about Enumerated data types.
   c) Explain advantages of recursion.
   d) Distinguish between getchar and putchar.
   e) What are the different storage classes in C?
   f) Explain strstr.
   g) Explain the features of structures.
   h) Write a program to check equivalence of two numbers.
      Use "if" statement.
   i) Explain fseek( ), ftell( ).
   j) Explain about type casting.
   k) Write about volatile variables.

PART – B

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

2. a) Define Algorithm and flow chart.   8 M

   b) Write an algorithm and draw the flow chart for finding the biggest among the three given numbers.   8 M

3. Explain different types of arrays with an example.   16 M

4. a) Write a C function to find GCD of two numbers using recursion. Call this function in a main program.   8 M

   b) Give a brief note about different storage classes.   8 M

5. Explain Predefined Macros.   16 M

6. a) How Union is differ from structure?   8 M

   b) What are steps for file operations?   8 M