

R09**Code: 9A05101**

B.Tech I Year (R09) Supplementary Examinations December/January 2015/2016

PROGRAMMING IN C & DATA STRUCTURES

(Common to all branches)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 Explain in detail about different components of a computer system.
- 2 (a) Explain the precedence of operators in arithmetic operations?
(b) Describe logical operators with their return values?
- 3 (a) Write a program to reverse the elements of an array
(b) Explain different storage classes in C.
- 4 (a) What is Static memory allocation? Explain with example.
(b) Write a program to find the presence of a substring in a given string using pointers.
- 5 (a) What is the use of period operator? Give an example.
(b) Explain structure within structure using an example.
- 6 Write a program to copy up to 100 characters from a file to an array. Then copy the contents of an array to another file?
- 7 Discuss searching operations with singly linked list.
- 8 Write a C program for the sorting algorithm which examines and shift a maximum of n-1 other entries?
