Course Code: BCA 1422   **Duration : 3hrs**

Course title: Data Structures Using C   **Max. Mark: 75**

Answer any five questions   **(5 * 15 = 75 Marks)**

1. What is Stack ? Explain various stack operations with suitable example ?
2. Define Queue. Discuss the various operations in Queue with suitable example ?
3. Explain in detail about doubly circular linked list ?
4. Define List. Discuss the various operations of linked list.
5. Write Huffman algorithm and explain with example.
6. Illustrate the various operations of Binary Search Tree?
7. Discuss the various applications of Binary Search Tree?