

- Q-5** **Attempt all questions** **(14)**
- A** Write an algorithm to insert and delete a node from the last location in a singly linked list. **07**
- B** What is the circular queue? Explain insertion algorithm of circular queue. **07**
- Q-6** **Attempt all questions** **(14)**
- A** What do you mean by tree traversal? Explain various tree traversal methods with examples. **07**
- B** Write an algorithm to insert and delete an element from stack. **07**
- Q-7** **Attempt all questions** **(14)**
- A** Write a note on doubly linked list. **07**
- B** Convert $A + (B * C - (D / E ^ F) * G)$ infix expression into postfix form. **07**
- Q-8** **Attempt all questions** **(14)**
- A** Explain insertion sort with example. **07**
- B** Define an AVL tree. Obtain an AVL tree by inserting one integer at a time
In the following sequence.
150,155,160,115,110,140,120,145,130,147,170,180. Show all the steps. **07**

