

# Abstract Data Type and Java Collections

## PART(B)

**Subject: CSW2(CSE3141)**  
**Session: March 2023 to Aug 2023**  
**Branch: CSE&CSIT**  
**Section : All**

- Q1.** Write a program to create an TreeSet of Integer type and perform the below operation on it.
- (a.) Display the TreeSet
  - (b.) Ask the user to enter a number and search that number is it present in the list or not.
  - (c.) Remove an element from tree.
- Q2.** Write a program to create a class named it as Address, having member variable plot no, at, post and required member function. Create a tree map having key as name of a person and value as address. Insert required key and value in the created tree map and display it.
- Q3.** Shortest remaining time next(SRTN) is a scheduling algorithm which serve first the process which having shortest remaining time among all the process. Write a java program which take  $N$  process burst time and print the scheduling sequence using SRTN.
- Q4.** Write a program to create a hash set of type string insert some element into it and display it.
- Q5.** Write a program to create a linked hash set of type double insert some element into it and display it.
- Q6.** Write a program to create a hash map insert some element into it and display it.

**Q7.** Write a program to read  $N$  number from user and keep it in suitable data structure so that no duplicate element is present in that.