M.Sc. (I.T.) Semester – 4

Paper No. 16: Programming Lab – IV

April - 2016

Time: 3 Hours   Total Marks: 100

Advance database

Q.1   Write a PL/SQL program for doing sum of digits of a given number.   [10]
       For example : 123 – Output : 6

Q.2   Write a PL/SQL block to decrease the employee salary by 1000 and if   [20]
       the data updated then count the number of employee updated
       otherwise print the message 'No Updating'.

Advance data structure

Q.2   Write a C++ program to sort an array of 10 given integers using quick   [30]
       sort technique.

JAVA

Q.3   Write a JAVA program to reverse the digits of the number.   [15]
       For example: ENTER NUMBER: 12345 REVERSE NUMBER: 54321

Q.4   Create a custom exception program for Bank. There is main class   [25]
       named Bank and one class named AccountStatus. The AccountStatus
       class contains balance, account number and methods Deposit() and
       Withdraw(). Now whenever deposit made it increments to account
       and whenever withdrawal occurs it deducts from account. But if
       withdrawal is more than balance in account then generate custom
       exception named LessBalException with appropriate message.