SET – 1

M.Sc. (IT) Semester – I
Examination Nov-Dec – 2016
Paper – 4: Programming Lab – I (Code: 2739)

Time: 3 Hours **Marks: 100**

Q.1 Write a C program that will create a marksheet of a student. Marks of three subjects should be given as input. Calculate the total, percentage and a grade depending on the percentage and following conditions: [20]

Percentage	Grade
> =75	"A"
>= 60 but <75	"B"
>=50 but <60	"C"
<50	"D"

The output should be marks of all three subjects, total, percentage and grade.

Q.2 Write a C program to input 10 names and a name to search. If a name is found in given 10 names then display a message "Found" otherwise display a message "Not Found". [20]

Q.3 Write a C program to implement stack using array and perform following operations: [30]

(a) Push (b) Pop (c) Display

Q.4 Write a program to evaluate $\int_{-1}^{2}(x+1)^2$ using Simpson's 1/3 rule. Take 10 intervals. [30]
