

Group-3 (Student ID: 1801048M-1701039F)

Marks: 40

Time: 1.20Hrs

1. Write a C program to recognize strings those starting and ending with 'b' over $\Sigma=\{b,c\}$.
(20)

Sample Input	Sample Output
Enter a string: bcb	Accepted
Enter a string: bccc	Rejected
Enter a string: cb	Rejected
Enter a string: bccb	Accepted

2. Write a C program to compute FIRST for the following grammar: (20)

$S \rightarrow AB \mid bb$

$A \rightarrow da \mid B$

$B \rightarrow g \mid \epsilon$

Sample Output
First(S)={b,d, g, ϵ }
First(A)={d,g, ϵ }
First(B)={g, ϵ }