**ToC Lab Assignment-5**

Q) Write a program to create a CFG on  
S -> (E)  
S -> E+E  
E -> S  
E -> 0  
E -> 1  
And print “YES(if accepted)” or “NO (if not accepted)” for following string :  
i) (0+1)+1  
ii) (1+11)

Note:

1. Show transitions from one state to another as output.

2. Students must use pre-defined transition rules in the programs instead of any library function