```
1. Emplain tros recovery techniques.
2. Differentiale between CFG & Regular Enpression
 3. for the following CFG
      a. Give the LMD for the string
      b. Give the RMD for the string
      C. Give the parke Tree for the string
      d. Is the grander ambiguous / Vunansiguous.
   S-9 SS+ SS* a
                        aatax
    10/120 < 5
                        000111
    S > +SS + SS a
                        + xaaa
   5 75(5)5/E
                        (()())
    S -> S+S/SS/(S)/S*/a
                           (ata) ta
    S-) (L)/a L-) L, S/S
                           (a,a)
    s-) asbs/bsas/t
                             aablal
    E-> E+E| EXE| -E|(E)|id
                              id tid*id
   StiEts iEtses a & th
    R -> R'IIR RE/ Fx/CR) a/6/C
                              a/bxc
4. Define antiquity! ST the following grammal is
5. Define left recurpion. Drite an algorithm for left recurpion elimination y here eliminate
        left recursion
       a) E+ E+T/T 6) T+ T*F/F c) S+ S(S)S/E
```

```
4. S -> SS+ | SS* | a 6.
    5. E + E+F/T
        TATAFIF
        F-)(F)id
6. with any algebra eliminating left factoring & herte eliminde 1. S \rightarrow SS + |SSX|a 2. S \rightarrow OSI|OI 3. S \rightarrow iEte|iEtses|a E \rightarrow L
1. why do we need a first & follow set. Find for the fullwing granmars
                     Q. STIFTS | iEtses a 3. STG, HJ
  ELE -) TE
    e1 -) +TE1/t
                                                   9-Jaf
                          E-)L
                                                   F->6F/E
     T > FT
    TI -) * FT | E
                      4. Stablac/salse
                                               HAKL
    F -) (E) | id
                                                    K->m/E
                          B -> BBC/f
                                                     L->n/E
                          C -> g
   5. STABDS
                       6. S \rightarrow CL/a f \cdot S \rightarrow L = R/R

L \rightarrow L,S/S L \rightarrow *F/id
        BJec
       C \rightarrow bc/\epsilon
       D) EF
                      8. S-) AnAS/BGBa
       E -> gle
                                                9. StaABL
                          ATE
       F → fle
                                                A + O/E
                          BAG
                                                    B -> d/E
    10. s -) asbs/bsas/t
                            11. S+a/1/CT) 13. S+AS/5
 8. Write predictive parking table, (1(1) grammar
                                   T \rightarrow T, S \mid S
                                                       A -) SA/a
      (: E → E++/T &. S → assis/beas/t
    1) 2) T -> TXF/F
                        3. S + S+S | SS/(S) | S+/a
   Doning - (E) [id
                        4. S -> (L)/a L -> L, S/S
                        5. S-> SS+ SSX |a
```