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Muhammad Aftikhar
      Section A
       Roll Number P180054
       Assignment TOA
1) Write context free Grammer for following
  L1 = } a b a | m, n z 0 }
                           But words are not
    5-7956YIN
                            required in the Assignment
    y -7 a y 1 n
  sbrow
                    m = 0
    5-705by
                    n = \lambda
    S -) a asbba
    s -> aanbb
    s - aabb
2 L2= ? WEW | W is a palindrome ?
     5-7 059
      s-n bsb
      5-> 9
      5 -> b
      5-3 1
  s-sasalbsblalbla
                      s -> bsb
  5-> 959
                      5-> basab
  S -) a b S b 9
                       S-> banab
   5-) ab1b9
                       5-) bacb
   5 -> abba
   5-) abb9
```

March WEEK 13	January 2020 M 6 13 20 27 T 7 14 21 28 W 1 8 15 22 29 T 2 9 16 23 30 F 3 10 17 24 31 S 4 11 18 25 S 5 12 19 26	February 2020 M 3 10 17 24 T 4 11 18 25 W 5 12 19 26 T 6 13 20 27 F 7 14 21 28 S 1 8 15 22 29 S 2 9 16 23	March 2020 M 30 2 9 16 23 T 31 3 10 17 24 W 4 11 18 25 T 5 12 19 26 F 6 13 20 27 S 7 14 21 28 S 1 8 15 22 29	
29 Sunday 089/277				
8.00 am (ONVEYT INTO (NF 8.30 Add now Sta 9.00	le			
S -> SI S2 9.30 SI -> a SI a b SI b Sa -> a S2 b N	41611	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
$ \begin{array}{c cccc} \hline $				
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So -> S 12.30 S -> OS(a) b(b) (1)				
$\frac{1.00}{50} = \frac{5}{3} = \frac{3}{4} = $	b a a b b	aszblat	D	
2.00	1	1		
5 -> ASIA BSIB a 2.30 S-> AT BG a 1	1 16 AA B	1 0 1 1	3 / AB	
7 -> SIA 3.30 CA -> SIB A -> 9	· 1			
4.00 B -> b N -> 5 2 B				
5.00				
6.00 pm			¥ .	- 263

3.30

4.30

5.00