### C SE 331

Name: Kazi Md. Al-Waltil ID: 1930/051 Section: 04

### Awaven to the gues Na-1

arren that, abbackskemy"; n,m,k>,0 CFG:

P> aPb Q

, P is the start variable Q> 6 Qe/R

R>cRd/E

# Answer to the gues. No. - 2

Given that,

a"b"c"d"eky"; n>0, m>1, k>2

#### CFG:

S>aS& AB

A > bAclbc

; s % the stood variable

B > dBe | ddee

### Answer to the gres. No.-3

The number of 0's is greater than the number of 1's.

Here stood variable is P

P > 0 P | 0 | 0 Q | Q0

Q>0Q1/1Q0/01Q/10Q/P/X/E

X-> 100 x 1010 x 1001 x | Q

# . Amough to the gues No. 4

Given that,

amb" i m>2n and m,n>1

#### CFG:

S > aa Sb | aS | a. Herre, Sis the start variable

# Ans. to the gues. No. - 5

Given that,

a'bambantm; m,n>/1

#### CFG:

A> a Aa P P> a PalbPlb

Here, A is the stant variable.

## Answer to the gues No. 6

Lebt most pouse tree:

[Here, start variable is S,]

s⇒asc|X x>bxclE

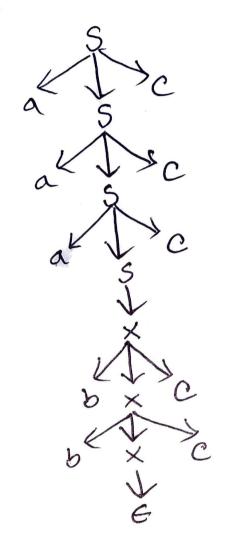
Given String:

"aaabbeeece"

Right most Pause thee: [Here, start variable is S]

Here,
S> aSC
X> bxc

Give string,
aaabbeccce"



Given that,

S > XY | MN

 $x \rightarrow 0x1101$ 

Y> 2412

M> OMIO

N> 1N2/12

Here, the start variable is S.

0

Given String, "0001112"

Left Most Descivation:

S

=> xY

>0×1Y

>00x11Y

=>000111Y

=>0001112

## given string "0001112"

S ⇒×Y

⇒×2

⇒0×12

>00x112

>0001112

### Let the string be:

"001122"

Now,

Leuls most degrivation:

S

⇒ XY

>0×1Y

>0011Y

=)00112Y

>00 1122

Again,

S

=> MN

=>OMN

**シ00N** 

>001N2

=>001122

Leut most Pause thee:

one lett most destivation So, here we get moone than most prouse tree for and more than one lett that the grammar is one string. so une say ambiguous.

[showed]