

Green University of Bangladesh

Department of Computer Science and Engineering(CSE)

Semester: (Summer, Year:2021), B.Sc. in CSE (Day)

Midterm Exam Fall 2021

Course Title: Compiler

Course Code: CSE 305 Section:193D

Student Details

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Submission Date : 18.11.2021 Course Teacher's Name : Atik Ahamed

Status		
Marks:	Signature:	
Comments:	Date:	

Ans to the a. No: 12 (a)

S is hoto have one b

A is to have two 65

B is to have 3/more 65

Ans to the a.no: 7 (b)

CPO:

S -> as | 6A A -> aA | 6B B -> aB | 6B | Ba | B6 | 6

As to the Q.NO:1(6)

x is to have (a+6)*
s is to start and end with the same symbol

 $x \rightarrow axa|bxb$ $x \rightarrow ax|bx|\lambda$

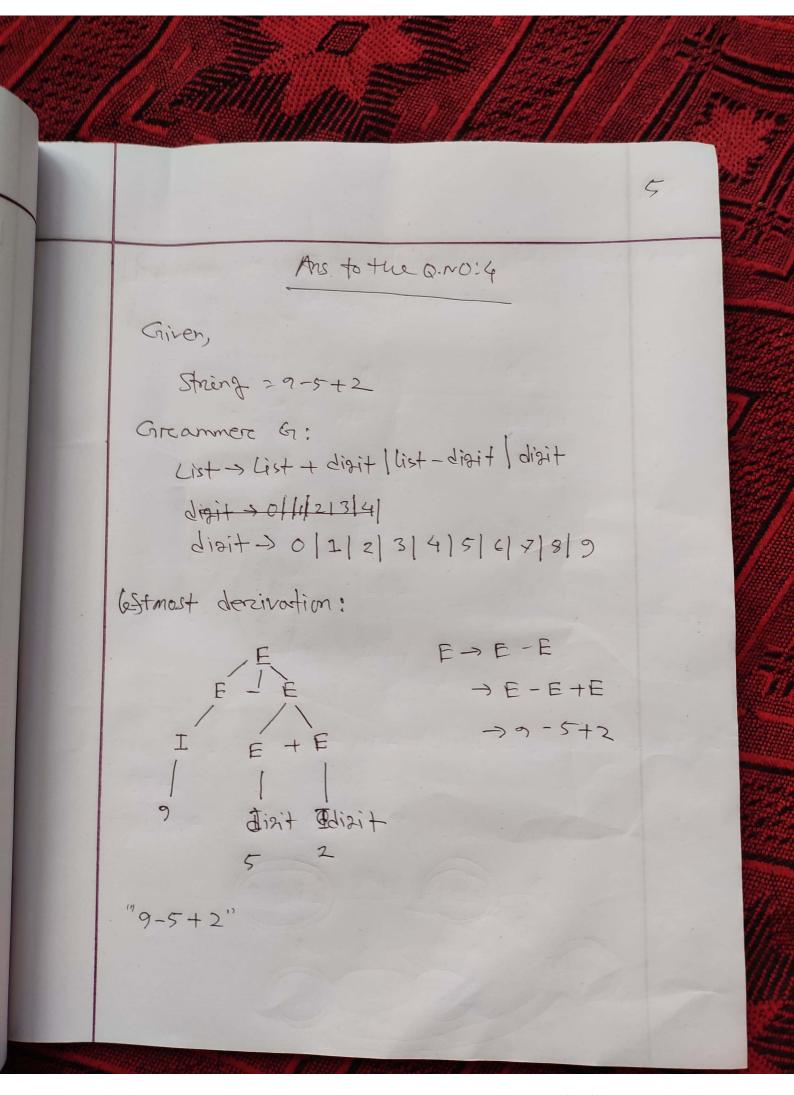
Ang to the Q. No: 1 (c)

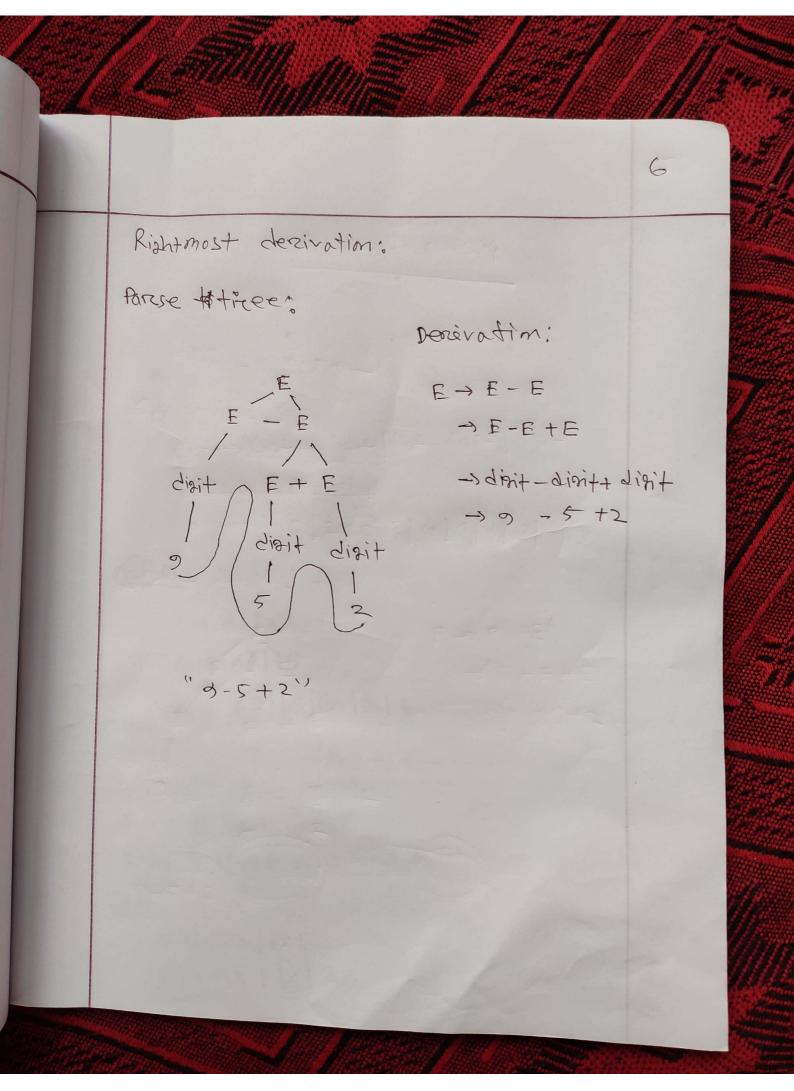
wis fore (a+t) just a Single & symbol sis to have odd length and middle symbol & b

CFO S> WSW 16

W > a 16

4 intermediate a code jeneratore ti = int to floot (80.5) tz = id3 1+, t3 = id2+t2 id3 = +3 Code optimizer ti = id3 /80.5 id, 2 id2 + + & Code generation LDF Rz, &id3 MULF PI,1 RZ, # 80.5 LDF R,, id2 ADDP RI, RIR,





Ans to the Q. NO:3

A program can contain some errors.

lexical phase error.

Print f ("Hellow would"); \$

end that is not volid.

Erron Recovery: Panic mode recovery Syntactic phase ennous:

Switch (cn)

2

keyword switch is oridentified keyword

Ennou Recovery: Domic mode recovery Semantic phase ennon. int a Cio], bi, 626, as ernon a ft.