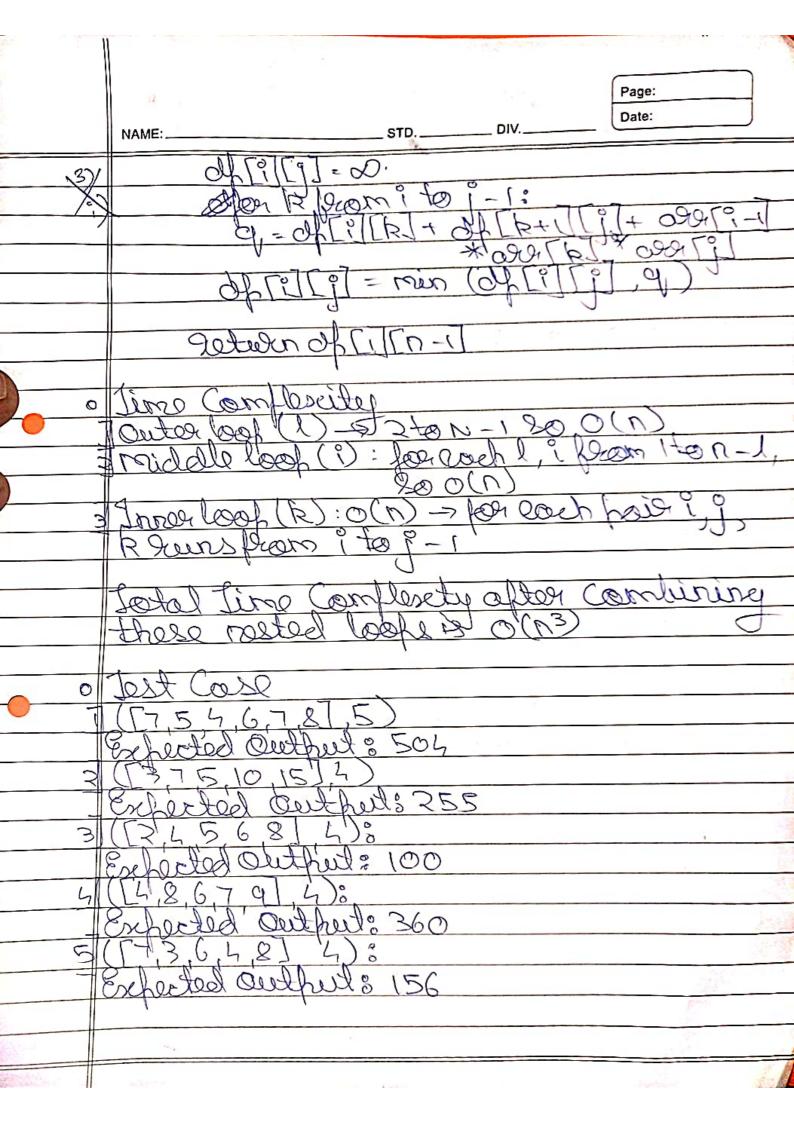
See Eller	VIRAJ VORA 231070078 SY BTECHCE
	Page:
	NAME: STD DIV Date:
#	Experiment 1 -> Longest commonlubsequero
	of grades arrange students.
*	Algorithm
	Lunction LCS (8las 2forz):
	Initialize 20 lies of size (lon (2491)+1 - lon (8491)+1) to all clements 0
	i -> from 1 to len (8l91)
-	Jeson 1 to lan (8492) -175,048 == [1-17:1-128]
*	de [1][1] = de [1-1]+1
	else :- [1][1] de [1][1] de :- [1][1][1] de :- [1][1][1][1][1][1][1][1][1][1][1][1][1][
	(
	Initialize a list les sla
	while i >0 and i >0
	All and stail i'- 1 to les-200,
	décreose i and j ly 1
	ah[9-1[9]>0h[9][9-i]
	OLSC F
	J 2007 (100 800)
	notwon remove (les-sley)
4	5

Le 45 Page: 410 Date: NAME: Time Conflexity Hord Initialization of address of len (2292) x len (2292) Tilling the of opening of len (2292) x len (2002) 3 Constructing the LCS -> The backtrockers lock surs atmost o (min (bon (stort) lon (stort) nesi times JO UC 4209 ie już Querall Time Combercitu is UI 10. llym 30 ( (cn (sto, 1) x (en (sto, 2) + 0 ( SO p. OJ E Querall Tim Complexity is 2 x O (lon (2 to 1) x lon (2 to 9) (2000) +0 (min (len (2002)) (see) rel Dest Cales visng uis E Dastle Steeden ID 7 50 .es 7 CCBDAA - - - CCCC DOCC - .. FFFF --- COBB ( 1 - BCAR 570 ABCC -Expected Outher: LCS 12 DDD Dwelo2 Student ID ARAB - - - - BBAA -BBFF ABCD - - -S 20

Page: NAME: Date: Expected Output -> BBBBC StudentID EEBC - - - EEBB ABBC - .. PACC DOAB -570 CDFF - - - LBBBB Excharted Quethert -> CBBB Studentzo Seorg - - CD\$@ S3 S<del>2</del>0 Student ID --- AB -- DAA DDCG1 --- DA15 652 CDAB - -Eschected Outful > Every (See, length less to and Special char use

Page: NAME: Date: at trabuts Prodes CCCC -- FFIA CCDD - - - BDD 23 CCC - - - QABA 965 Experted Out fut -> Esouor (String larget) less than 40 and specied charused 7-HE Exhautetus Robbin Chair Exhautiflication afternization Lunction man (n, asa []) Rose toos team sont : raveg "newtoo two materias 174 ton si Algral-120 resulto roisparielo moneros "orberas lenoth must be N+1". for each din org: 0 <=0 rolling sittem: rolling "released" roust be the values chalise of a size NXN with all 1-10 st 5 most 1 real for i boun 1 to n-1 1



Page: 4 Date: NAME: