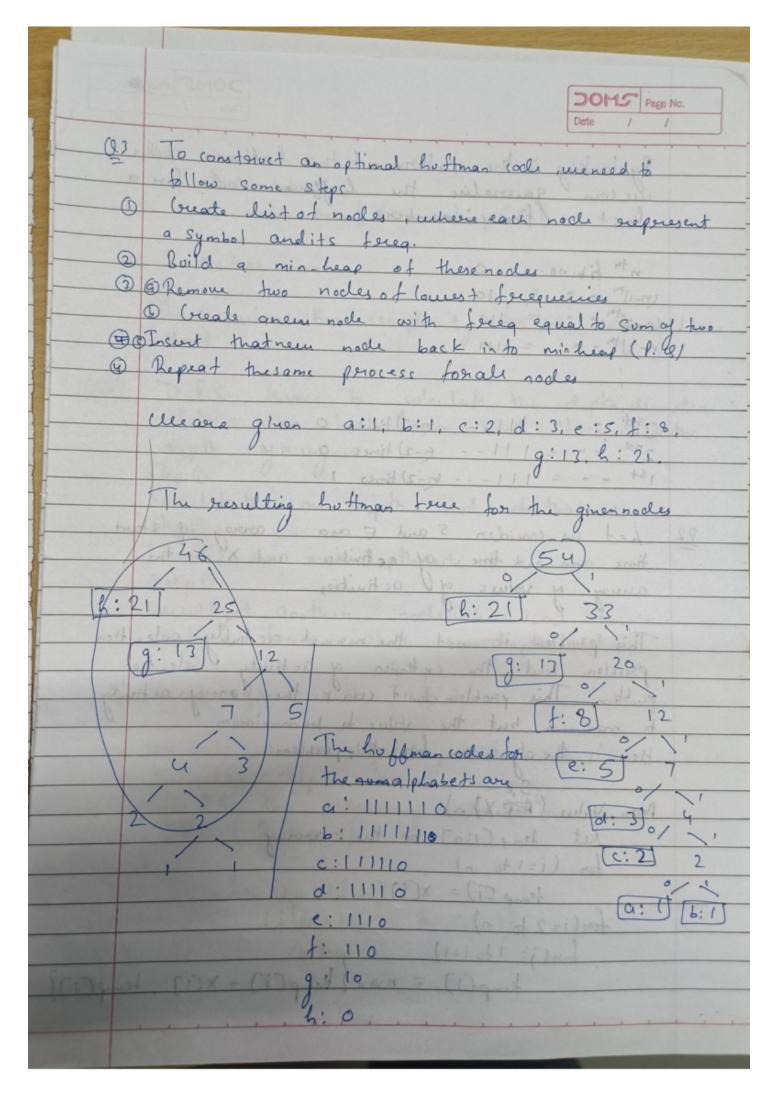
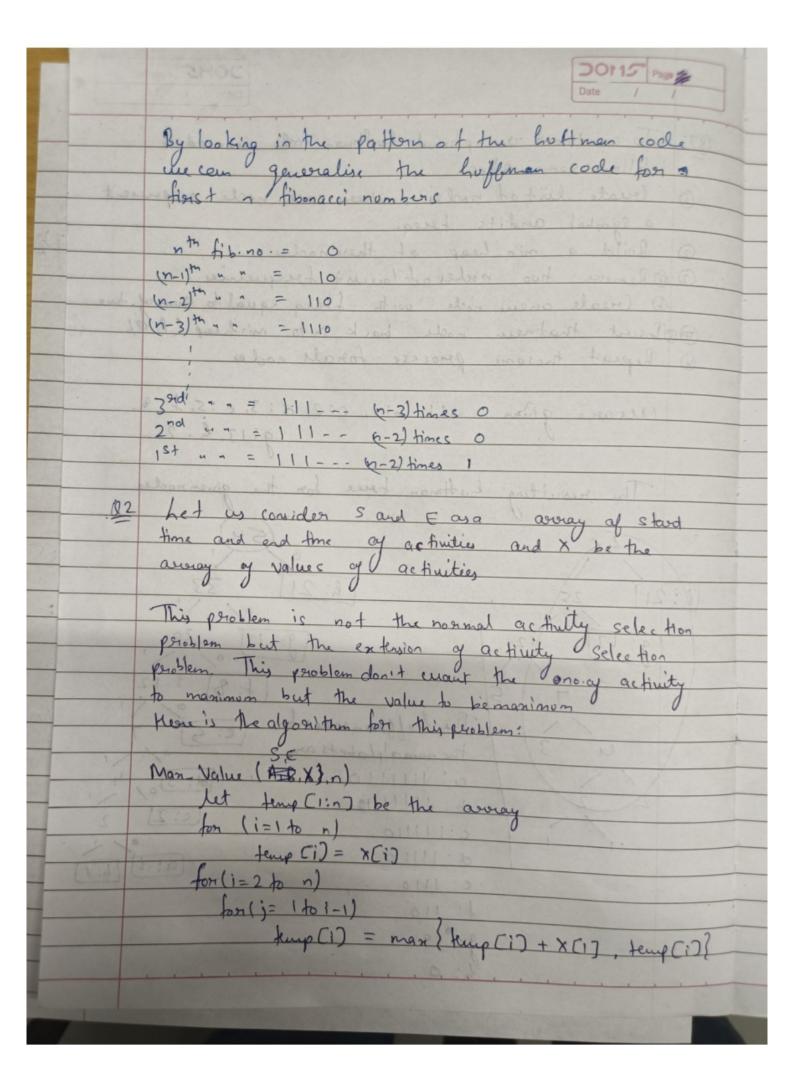
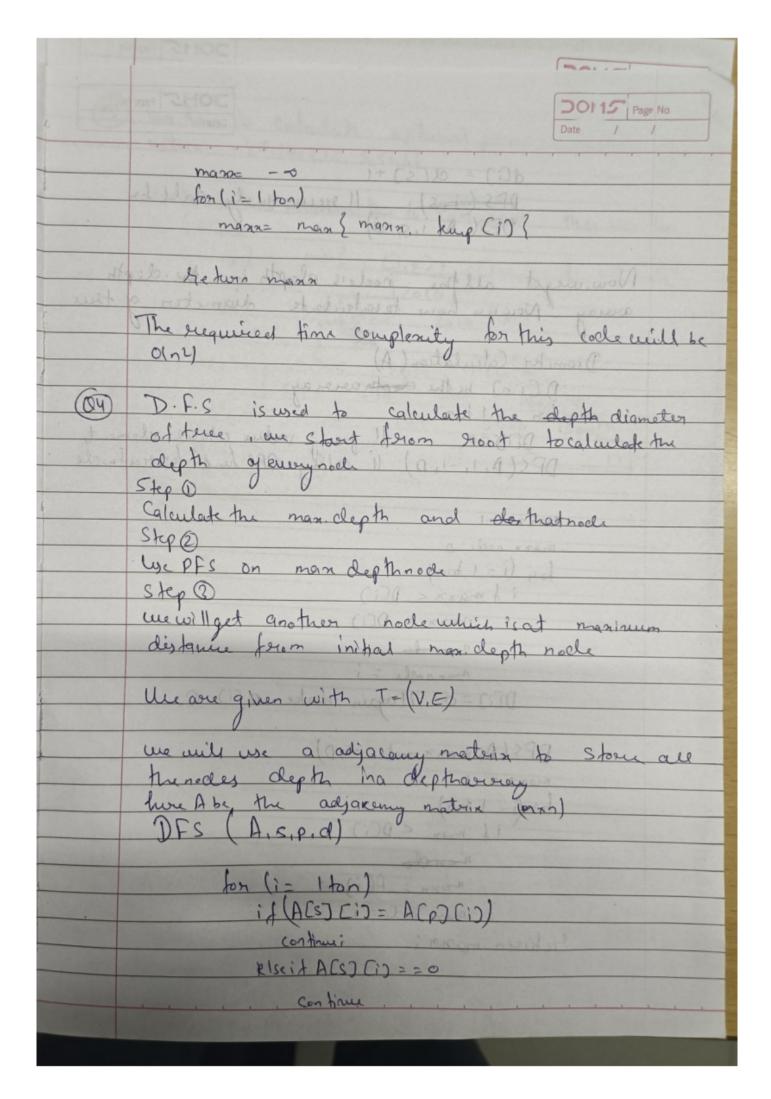
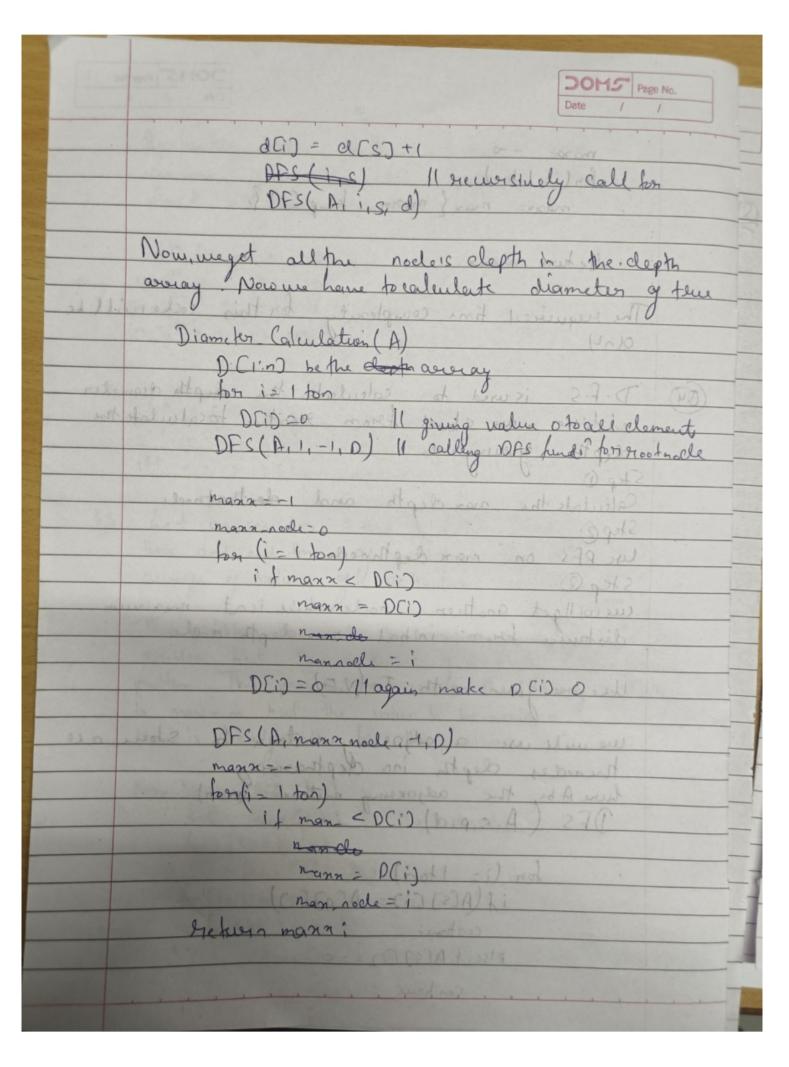
Perekhar Dais DOF 15 Page No. 202251099 CS-202 Theory assignment - II 01 solve (numsc], int previous, jut ind, dptJtJt]k it (inel 20)3 leturno: 3 15 (dp Cind J [PRe+1] + -1) { setcen ap cind] [Aseti]; int take is (PSe= + 11 nums cinds + nums [Pse3) { tarre= 1+ solve(nums, ind, ind+, dp); int not tate cot solve (nums. Dec, ind+, ap); setuen aprind][Deeti] = max (fatte, not take); length of LIS (ass num []) { Refuen solve (nums, -1, nyms size U-1,









Algorithun	Lucknow that precursither to calculate this we we can be south of 370 370 330 1860 \\ - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Date / /

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	Fib (n) Let dp (1:n) be never average dp (1) = 1 dp (2) = 1 for (i = 3 to n)	
f.	dp[i] = dp[i-i] + dp[i-2]	
1	return de [n]	
3		

else 1 Letura dp [w] [wow = (1-4) [m] dp compay ((1-4) [m] dp compay (-4) [m] dp compay (-4) [m] dp compay (-4) [m] dp jt (-5) [m] dp jt (-6) [m] dp jt (-7) [m] dp jt (-7) [m] dp jt (-8) [m] dp jt (-8) [m] dp jt (-8) [m] dp jt (-9) [m] dp jt (-10) [m] d	(D) ValCJ - this areay cond (D) W, n - there are manione Algerithm Algerit	0-1 knapsack is ussy famo to that he manimum caus fill in the knapsack. We are given the consequent another is bon value a that a knapsack con fill
knap_Sack(w+,va1,w,n-1)	(n==0) (\n==0) dp(\n)(\n-1):=-\n) if (\m <= \mathread{\phi(\n-1)} tetus dp(\mathread{\phi(\n-1)} tetus dp(\phi(\	un thevalue and of the witand	is used famous peroblem which is used manimum pero hit as ament that we knopsacle. Thus consay one for the manimum weight to some fill
4 W, n-1)	wt.val, w- wt(-1)	a of correspondingual being light no al items. The parterial	that weight