Final Term Exam

<u>ID:</u> 11533

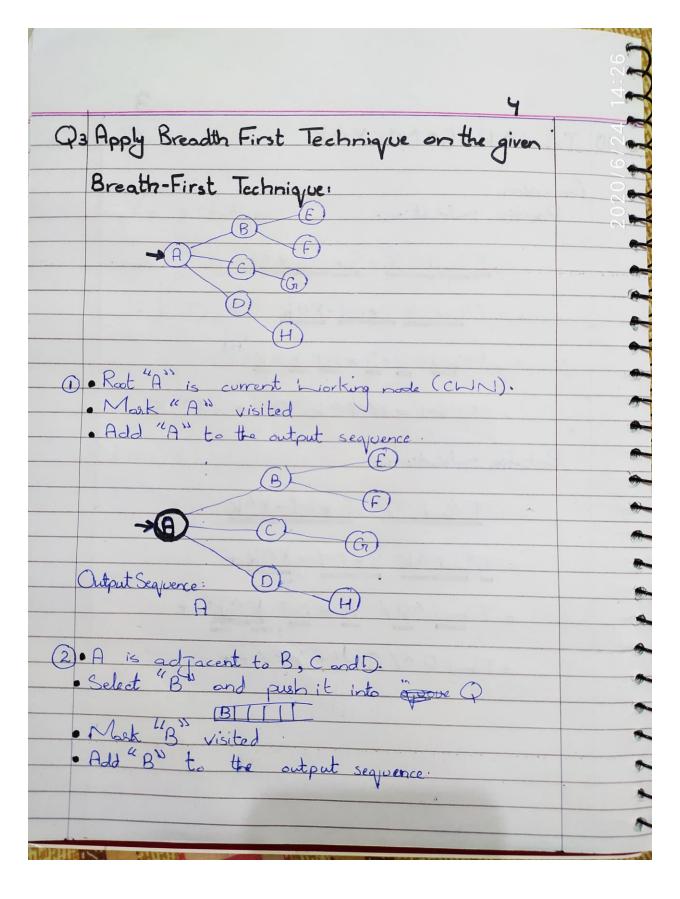
Name: Ashir Ali Khan

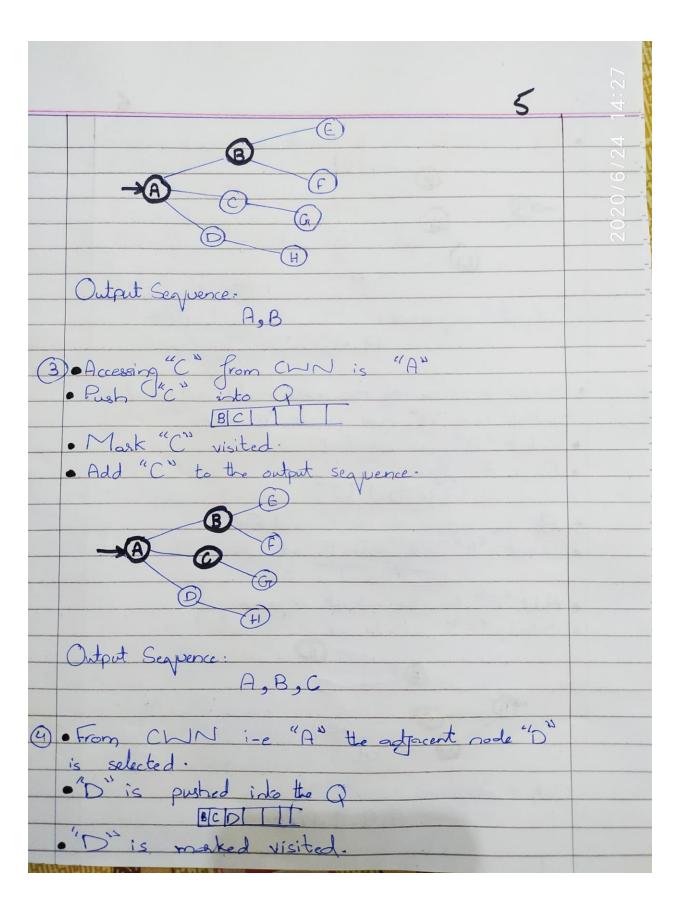
Semester: 12th

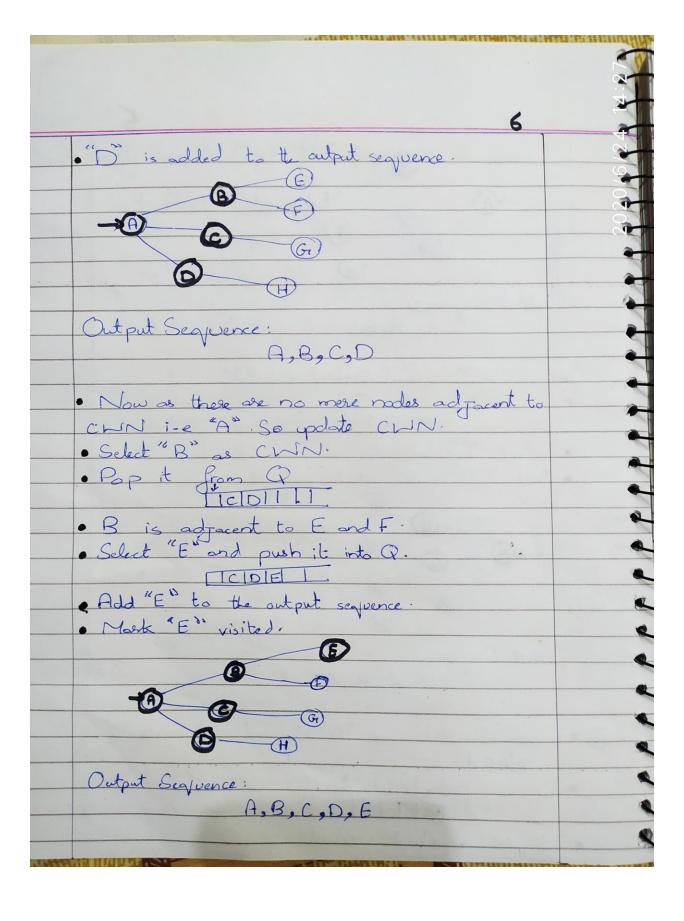
Subject: Design and Analysis of Algorithm

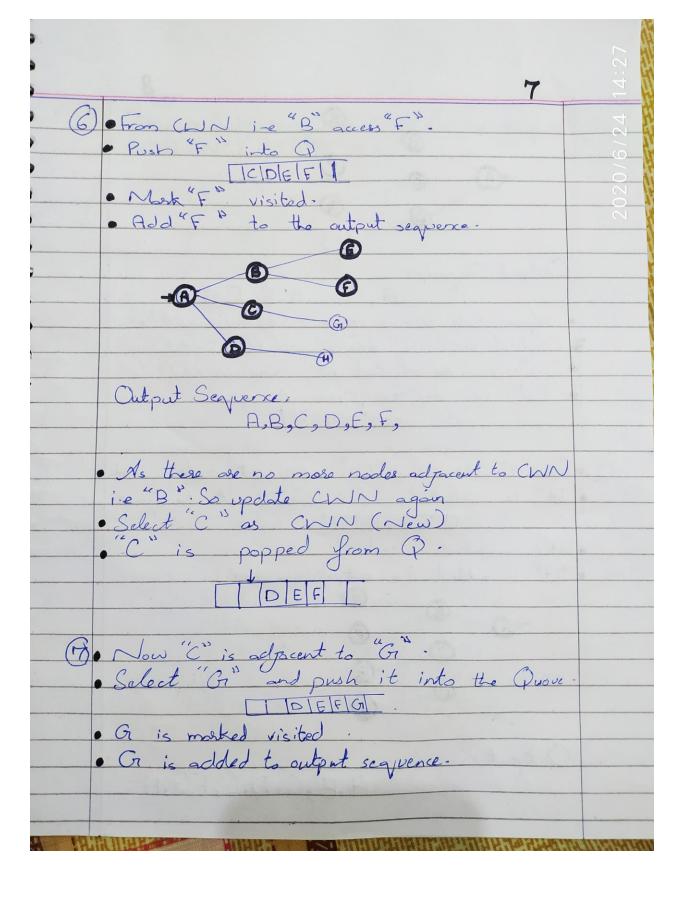
Teacher: Sir Adil

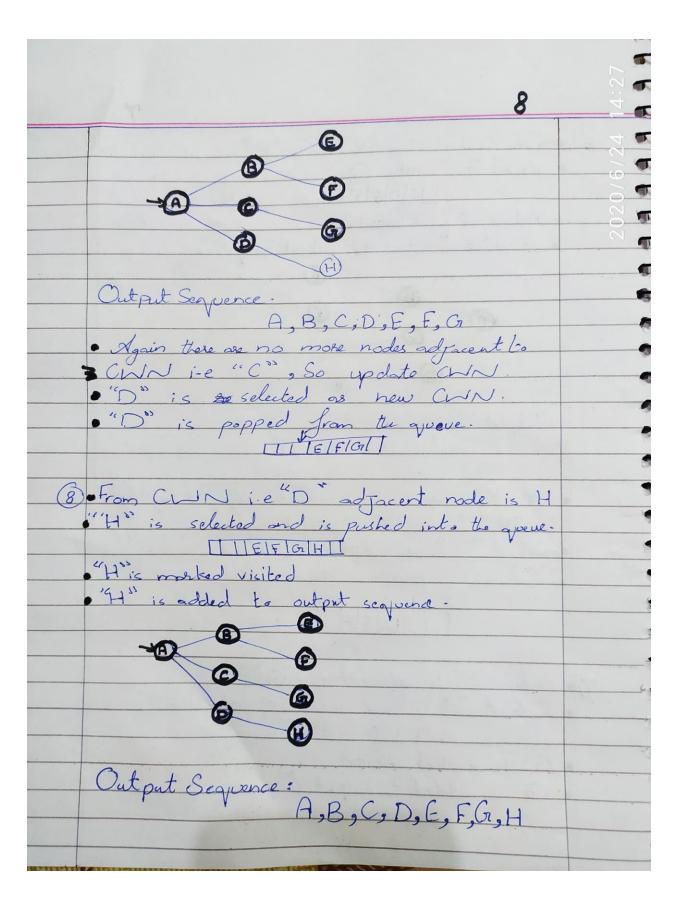
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Q	Fill in the blanks	
	seroizanen	
·i	Node	
· ii	Adjacent nodes	
	Adjacent edges	
	Shortest path	
. ^	Cycle	
· vi	Cource	
· vií	Sink	
· viii	Bipastite Graph	
·ix	Regulas Graph	
· ×	Leighted Graph	
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·Now and is updated to "E" is popped from queue. · No adjacent node to Gi.

· Now C'NN is updated to "H"

is popped from greene () · Q is now empty, So Breadth First search stops.

11 a = 0 : As there is no edge from vy to Vo a = 1 = As these is an edge from vy to age = 0 : As these is no edge from va to v2 azz= 0: As there is no edge from vy to vy a = 1 = As Here is an edge from vy to y a = 0: As there is no edge from V3 to V5 a = O = As there is no edge from vy to V, a = 0: As there is no edge from Vy to v2 a = 0: As there is no edge from Vy to V3 ayy = 0: As there is no edge from as=1: As there is = edge from vy tovs as = 0: As there is no edge from Vs to V, age 0: As there is no edge from 1/5 to 1/2 as = 0: As there is no edge from vs to vs agy = 0: As there is no edge from if to vy a = 0 s As there is no edge from V5 to V5 Hence V2 V3 V4 V5 out de gree 10 Indegree. Thich is required adjuncy matrix.

