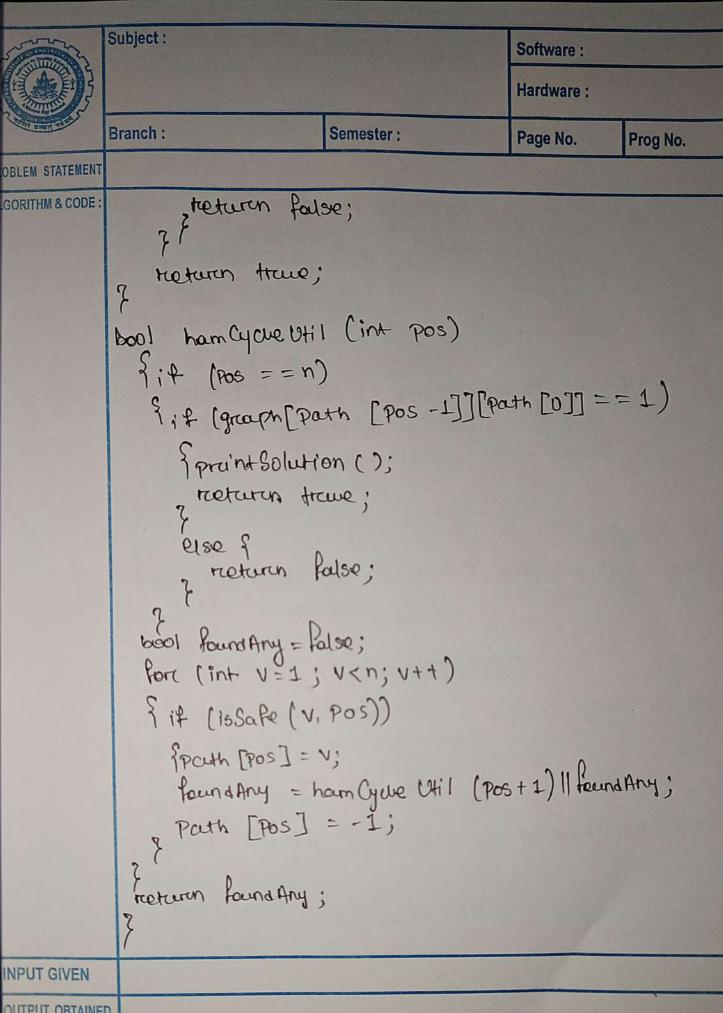
5	Subject :	Subject:		Software:			
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The same of the	Branch:	Semester	:	Page No.	Prog No.  O(ii)		
ROBLEM STATEMEN	CHCles in a	implement o	Progream	to find	all Hamiltonian		
LGORITHM & CODE	vertices using packtrucking Principle.						
	# include (Stdio,h) # include (Stdbool,h) # include (Std lib,h)						
	# define max_ VERTICES 20						
	intgraph [max - VERTICES][max - VERTICES]; int pout [max - VERTICES]; int n;						
	voi d preint-Solution ()						
	Print ("Hamiltonian Cycle:");  for (int i=0; i <n; ("%="" d",="" i+t)="" p="" path[i]);<="" print="" th="" {=""></n;>						
	Pruntf ("glod In", Pouth [O]);  }  is Cofo lint v. int Pos)						
	fix (greaph [poth [pos -1]][v] == 0)						
	Treaturen	Treaturen false;					
	for (in	Porc (int i = 0; i < Pos; i+t)					
		th [i] == V)					
INPUT GIVE	N						
OUTPUT OBTA	AINED						
REMARKS				Pills			
GRADE:	Signature of Fact	ulty	Signature of Date :	Student			



OUTPUT OBTAINED

REMARKS

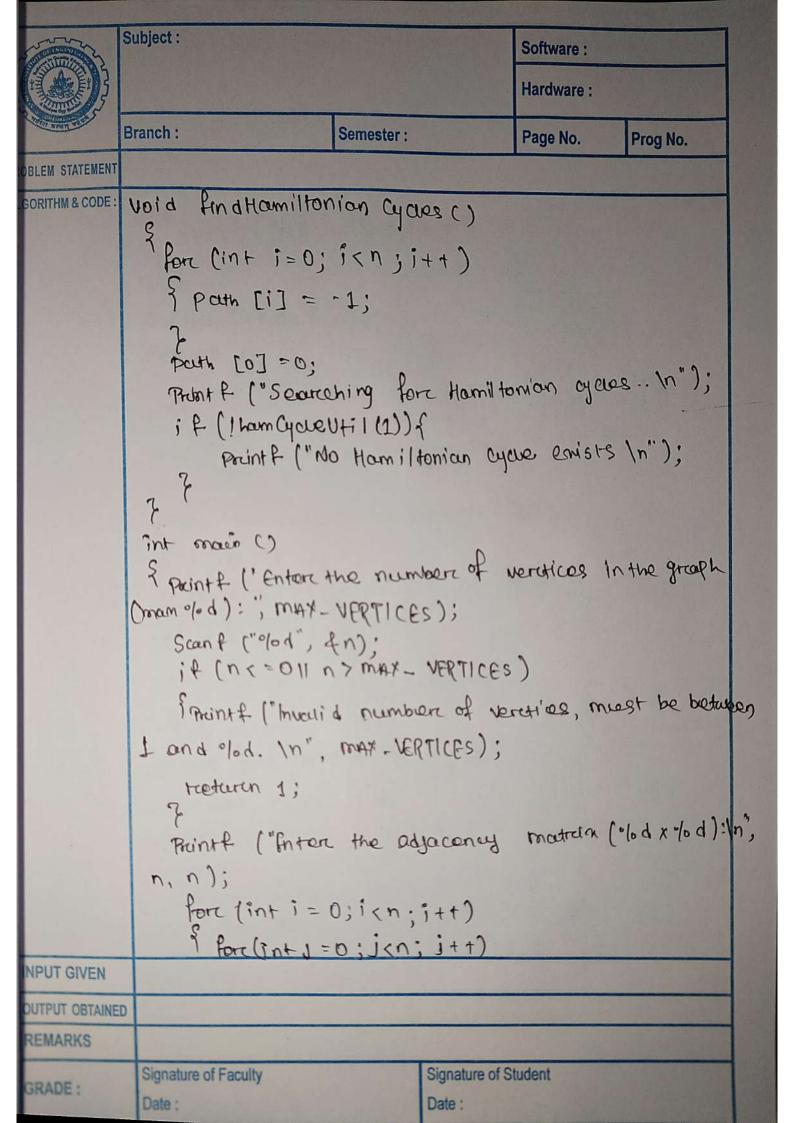
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Date:

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Scant ("olod", of grouph [i][j]);  Find Hamiltonian Cycles ();							
rectaren 0;							
OUTPUT							
Forter the number of vertices in the grouph (man 20): 5							
Enter the adjacency matrin (5×5):							
01010							
10111							
01001							
11001							
01110							
Sounding for Hamiltonian cycles							
Lesiltonian Ourles	:01243	0					
Hamiltonian cycles: 013420 Hamiltonian cycles: 014230							
0 9 3 2							
Hamiltonian cycles: 0 3 1 2 40 Hamiltonian cycles: 0 3 1 4 2 0							
Hanny Hannan Chares;							
Hamiltonian cycles: 032 910							
Hamiltonian cycles: 034120 Hamiltonian cycles: 034210							