Spring 2020 Midterm Exam

Minerary Mohrae is the second of the second

Course Code: CSE 2208 Course Title: Algorithm Lab

Name: S.M. Tasnimul Hasan Grzoup: B (B2)

ID : 1802041421 Date : Februarry 3, 2021

Ans. to the O. No. 2 <u>(a)</u>

1 0 10 35 65 66 000

Adjacency List:

a	(b,1), (c,6)
Ь	(a,1), (d,4), (f,2), (c,3)
c	(b,3), (a,6), (d,2), (e,4), (f,7)
u d	(5,1), (6,4), (9,2), (e,3)
e	(d,3), (5,5), (c,4)
£	(d,1), (e,5), (b,2), (c,7)

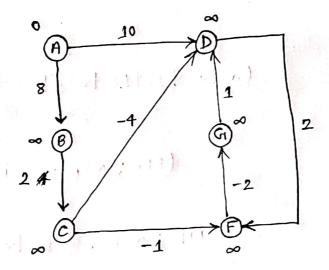
hand wingpuld (B) be Buinds.

Adjacency Mate	그는 그는 100 - 그는 100 전 100 100 100 100 100 100 100 100 1
lille : Algerillin Lab	
the told D	a bilélde f
6 (82)	1 6 mining the second
decirety is seath	1 100 00 3 4.011 100000 12 1
<i>c</i>	6 3 00 2 4 7
b	2.11 0 soll of room 1 10 m
e	σο σο (n) A 3 σο 5
<i>f</i>	∞ 2 7 <u>1</u> 5 ∞
	Odjacotes Els.

```
Ans. to the Q. No. 3
                  1111101 10" = 101 101
                         the life of the Land
int reduced - cost (int mot [][], intin)
1
  forz (int i = 0; Kn; i++)(~~ 1 illi) 100) 11
    for (int i=0) ixmi idtt) into you
     if ( Mot [i][i] < Mat [i][i+])
 row [i] = Mot [i][i];
    Alli (m) in in in in and
 3 (Michael Lock Ind) and
  for (int i=0) (<n) i++)
        4
   forz (int 1=0; i<n; itt)
        1, 8 (13,518) $ 1)
       Mot [i] [i] - = rrow [i];
        The st. 5.75 to F.
    7
 7
```

```
for (int i = 0 ) idn , ital) of en
1
   int key = Mat [O] [i];
   fore (int i =1 x ixpi itt) we fail lead books
                        III And A
  if (Mot [i][i] < key) | 11; (o); (o); [o]
         key = mat(Ciji[i] in>i in i (ni) sini
          col [i] = key;
       + ([ LILI] for > lister land di
    7
              chillisher = fig was
7
forz (int ) = 0; Kn; i++)
1
   forc (int i=0; i<n; i++)
               10 (10) (10) (10) (10) (10)
   1
      mot Lillil - = col [i];
                     (11) in it is it is it is it is
   7
```

Ans. to the Q No. 4



Edges
$$\rightarrow$$
 (A,B) , (B,C) , (A,D) , (C,F) , (C,D) , (D,F)
 (G,A) , (F,G)