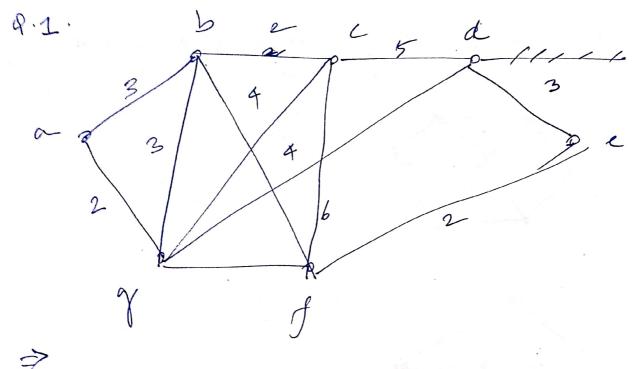
DMGT - Tutorial 7

Krishnaraj P7 1032210888 PA 20 ; A1

2



c d e f j dist 00 00 00 00 a

0

a

adj vertices of a -> 6, g $d_{i}(6) = mis(0, 0+3) = 3$ $d_1(g) = mis(0), 0+2) = 2$ c d e f g Ь a dist 00 00 00 0 00 3

 ∞

00

```
adj vutius of g > b,c,d,f
    d, (b) = mis (3, 2+2)
    d, (c) = min (0, 2+4)
     d, (d) = min ( 0, 2+4)
     d, (+) = mis (0), 2+6)
dist
       a
              c d
                      e f g
           00 00
a
a
                         00
       p 2 (3)
                         8
                      00
7
        adj vertex of b = C, of
      d(c) = min (6, 3+2) =5
      d (1) = min (8, 3+5) =8.
       b c d e t
dist
     0
       00
             00 00
                     00
a
      0 3
             00
                     00
                 \infty
a
                             0
                         E
                 6
                     00
              6
```

adj vutex of
$$c = d$$
, f
 $d_1(d) = \min(6, 5+5) = 6$
 $d_1(1) = \min(8, 5+6) = 8$

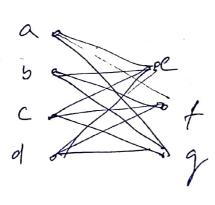
adj vestex
$$f d = e$$

$$d_1(e) = min(\infty, 6+3)$$

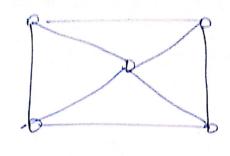
$$= 9$$

adj vatex
$$f c = f$$

$$d_{1}(t) = g min (1, 3+2) = g$$
So min diet = g time



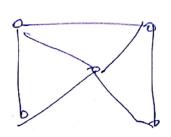
Q.3. 9, = planak geoph 92 = Eulerian graph & planar geoph 93 = Eulerian graph 9.4. 9, 092



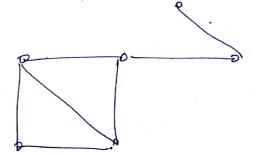
9, 19 =



9, 1 9₂ =



Q.5.



9-V=

