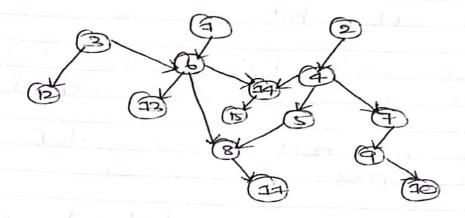
ASSIGN MENT -3

PAPT - B

as acuse Acyclic goops



2) ALGORITHM Minimum screekes ()

2 // page assay & adjacency for (i =0 = i < H + 1 = i++) & for (j =0 = j < H + 1 = j++) & Adj [[i] [i] =0 ;

Jy 1 Travence He way of adjus

for (i = 0 i i < m = i++) {

X = ana [i] [o]; Y = ODA [i] Coji

11 update value to 1.

Adj CxJ CyJ = = = = Adj CYJ CXJ = 1: 1 point the Minimum value B2) GRAPH ALGO (CHORTECT TATH) a) ALGORITH SHOPT PATH () int v= // get the ventices all restines for Ci=o: ic V: ++i) & dict [U] = IHA - MAX; // Pecuacive 1 Make dist value of Soc venter as 0, so that it is extracted 19h Heap 7 509 [Cac] = Sac :

Il to the following wap, min While (!ic Empty (minhap)) ? 11 Betsact the Min value voter u= min Heap +bde > v; At Adjust Hook = graph > assay Cu). While () if (icin Minheap ()] = ILTT MAR) 11 apoble dict value in heap. I paint the calculated dootest path.

6