Name: Nafinar Leo

1 d: 20-92195-1

## Answer to the guestion No. (1)

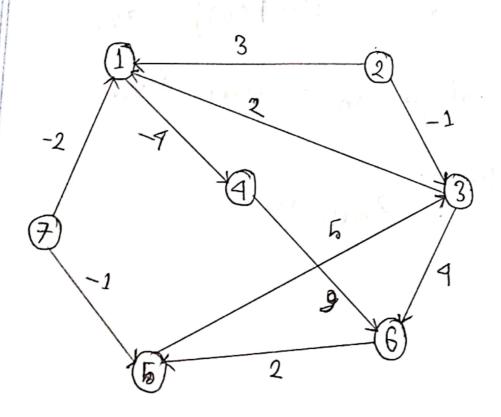
Hope,

wage many and water and the said

$$b = a + b + h$$

$$= 2 + 0 + 1$$

$$= 3$$



Initial adjacency matrix:

Initial path matrix:

me: Date: / /

VIA NODE = 1

VIA NODE = 3  $\infty$ -1 0(3) = 3  $\infty$  $\infty$  $\infty$  $\infty$  $\infty$ 

VIA NODE = 5

and the second s

VIA NODE = 7

Final Graph (All pair shortest path):-

