

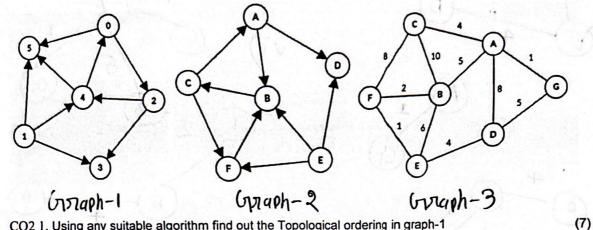
Duration: 20 minutes [No Extra page]

Full Marks: 15

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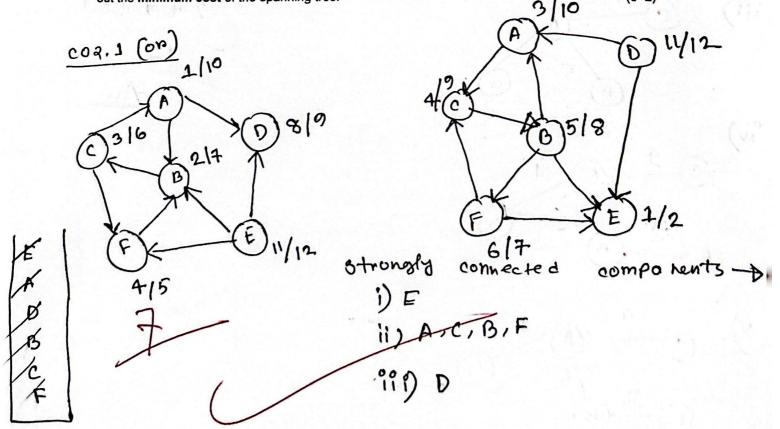


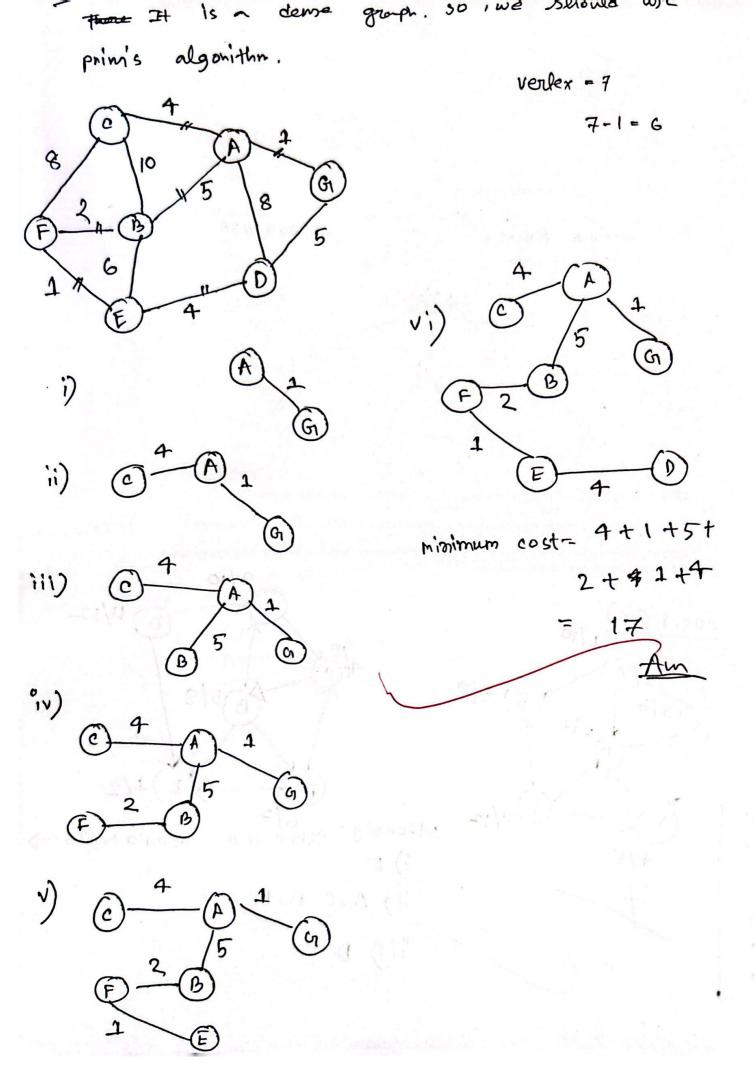
CO2 1. Using any suitable algorithm find out the Topological ordering in graph-1

OR

Using any suitable algorithm find out the Strongly Connected Components in graph-2

CO3 2. Using Kruskal/Prim's algorithm, find out the Minimum Spanning tree for the given graph-3. Also find out the minimum cost of the spanning tree. (6+2)

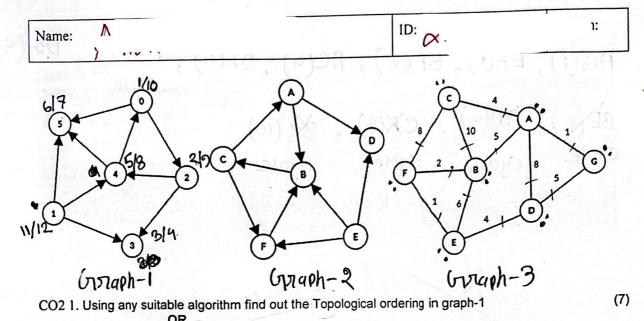




CSE 221: Algorithm Quiz - 3

Duration: 20 minutes [No Extra page]

Full Marks: 15



Using any suitable algorithm find out the Strongly Connected Components in graph-2

CO3 2. Using Kruskal/Prim's algorithm, find out the Minimum Spanning tree for the given graph-3. Also find (6+2)out the minimum cost of the spanning tree.

no Topological onder Descending order of linesh time = 12,10,9,8,7,4

Todog tra content a coppe

But for topological order the graph have

be

* Acyclic

* Directed.

There is cycle in venter

0,2,4

Topological order can't be done.

Knuscal Algorithm

BE(6),

AG(1), EF(1), BF(2), AC(4), DE(4), AB(5), DG(5), AD(8), AD(8), CF(8), BC(10)

AG(1), EF(1), BF(2), AC(4), DE(4), AX(5), DG(5), CY(8), AX(8), A

