

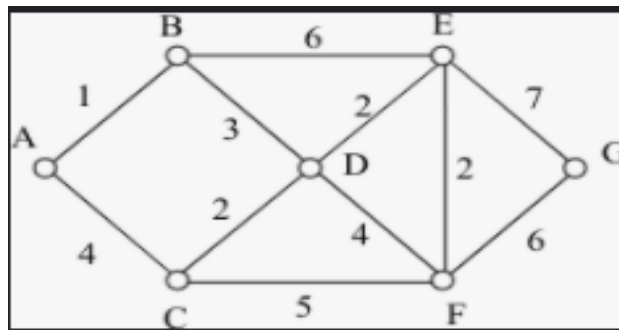
# CSE2011 - Data Structures and Algorithms Lab

## Assignment – V

L57-58-slot – FALL 2021-221

### Assignment on Graph and Heap

1. Illustrate minimum spanning tree using Kruskal's algorithm for the following graph.



2. Apply division hashing technique using the hash function  $H(k) = 3k + 2 \bmod h$ ,  $h$  is the height of the hash table, and create one to one mapping between elements given {18, 17, 16, 91, 15, 18, 23, 27, 29, 21} with the index values of hash table having size of 10. Also remove the collision, using linear probing, if any.

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