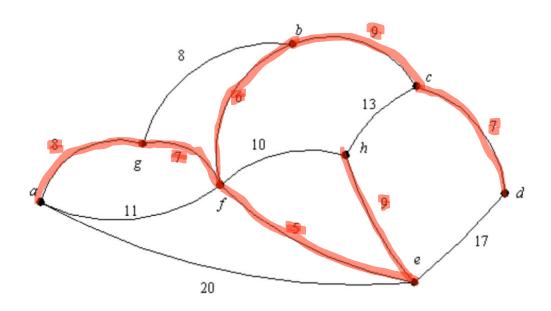
## Question 2 [10 marks]:

Start from vertex e, find a minimum spanning tree of the following graph using Prim's algorithm:



Show the minimum weight and the sequence of edges added.

Starting with vertex e

Sequence	Edges	Weight
1	e,f	5
2	f,b	6
3	f,g	7
4	g,a	8
5	b,c	9
6	c,d	7
7	e,h	9

Minimum weight is 5+6+7+8+9+7+9=51