
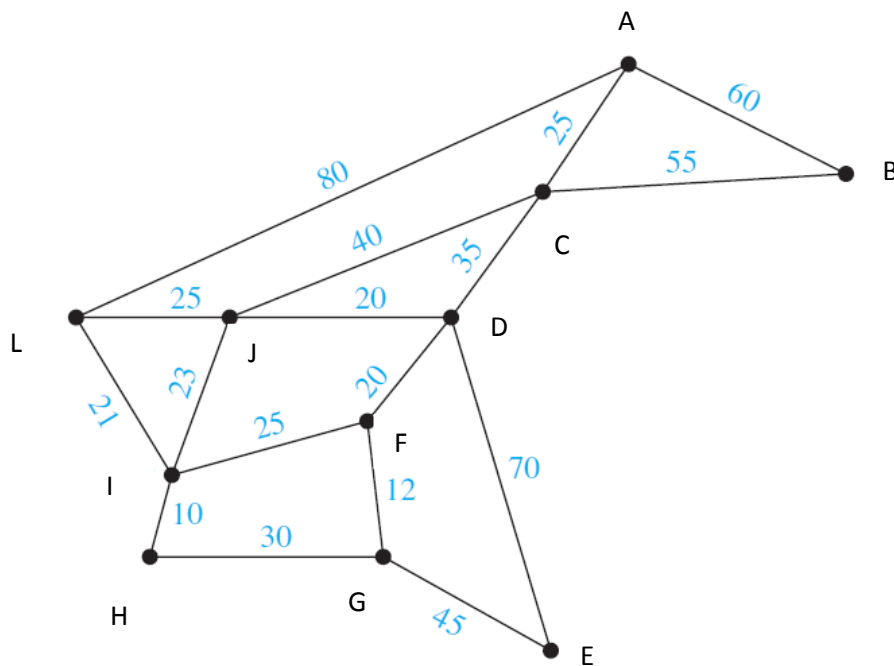
 KEMENTERIAN PENDIDIKAN TINGGI JABATAN MATEMATIK, SAINS & KOMPUTER		 POLITEKNIK MALAYSIA KUCHING SARAWAK		COURSE CODE / COURSE NAME		DBM2033 DISCRETE MATHEMATICS		
				COURSEWORK ASSESSMENT		TUTORIAL 4		
				SESSION		JUNE 2018		
NAME		DURATION				1 hour	CLO 2	
REGISTRATION NO.								
PROGRAMME/SECTION						TOTAL MARKS		

INSTRUCTION:

Answer ALL questions.

Question 1 (CLO2, C3)

Based on the weighted graph below, find the minimal Spanning trees using Kruskal's Algorithm.



[5 marks]

Question 2 (CLO2, C1)

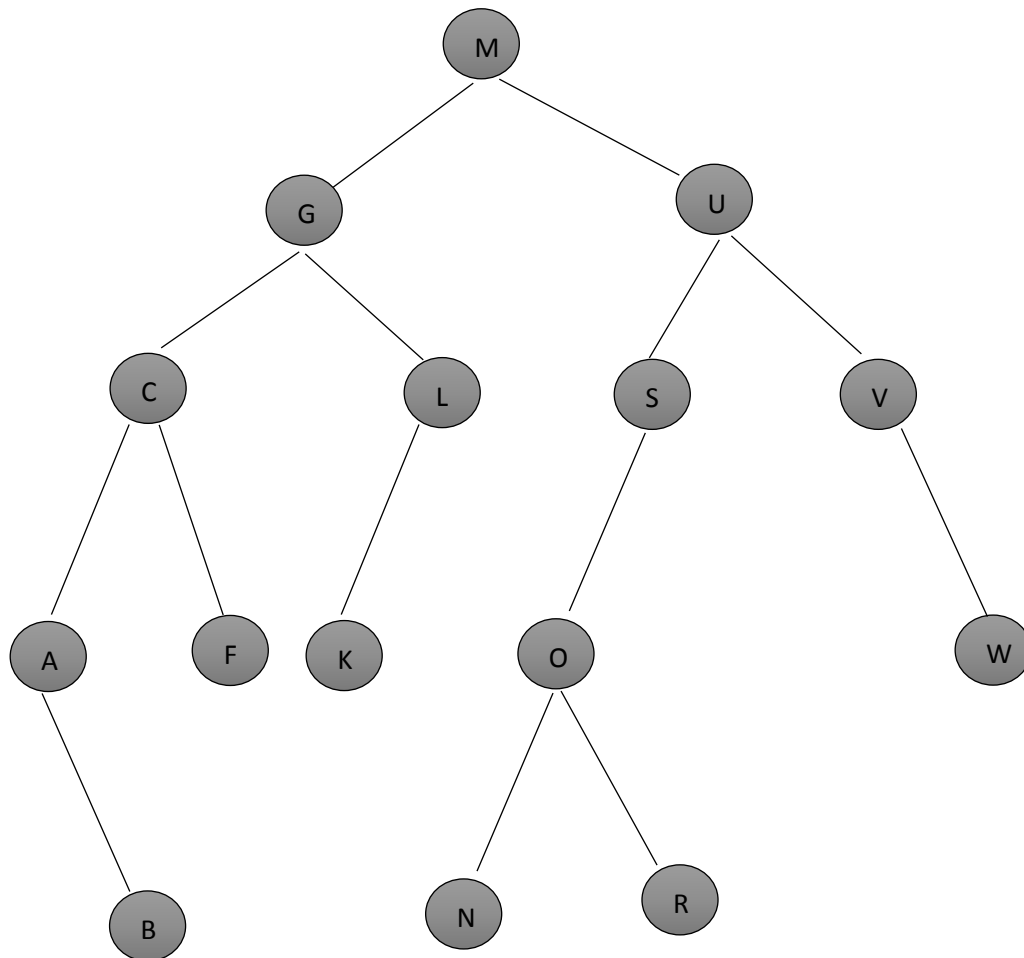
Draw a binary search with the list below:

Mango, Pineapples, Coconut, Grapefruit, Kiwi, Avocado, Watermelon, Apple, Orange, Strawberry, Banana, Apricot, Pomegranate, Cranberry, Lemon. Blackberry, Berry, Lychee

[6 marks]

Question 3 (CLO2, C3)

What is the order of vertices of the tree shown if pre-order, in-order and post-order traversal are used?



[9 marks]

~End of Question~