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	a	COURSE CODE,		DBM2033 DISCRETE MATHEMATICS	
	OLITER DIK	COURSEWORK ASSESSMENT	1 01472		
KEMENTERIAN PENDIDIKAN TINGGI KUCHING SARAWAK IABATAN MATEMATIK, SAINS DAN KOMPUTER		SESSION		DECEMBER 2017	
NAME	Su Kilong Hong	DURATION	20 MINS	CLO1	
				CL02	10 MARKS
REGISTRATION NO.	OSDOTITETOH3			CLO3	
PROGRAMME/ SECTION	& DDT aB		TOTAL MARKS 10 MAR		10 MARKS

Instructions

- Answer ALL questions. Write your answers in the spaces provided.
- Show your working to get marks. You may use a non-programmable scientific calculator.

Question 1 (CLO2, C3)

Based on the given statements, write the correct answers.

- (a) A vertex that is not incident on any edge.
- (b) A graph with neither loops nor parallel edges. Simple grap
- (c) A graph in which loops and multiple edges are allowed.
- (d) A graph with one edge connect each pair of vertices.
- (e) A path that begins and ends at the same vertex.

[5 marks]

Question 2 (CLO2, C3)

Find the minimal spanning tree for the given graph by using Kruskal's algorithm. Draw the minimal spanning tree you obtained.

