POLITEKNIK MALAYSIA KUCHING SARAWAK

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Mathematics, Science and Computer Department



DISCRETE MATHEMATICS (DBM2033) Session December 2017 SELF-EXERCISE 1

Instructions

- Answer ALL questions. Write your answers in the spaces provided.
- Show your working. You may use a non-programmable scientific calculator.
- 1. Classify whether the following sentences are a proposition or not proposition.
 - (a) Next year is 2018.
 - (b) Perak is the biggest state in Peninsular Malaysia.
 - (c) What is your uncle's name?
 - (d) 6 + 2x = 9
 - (e) Don't miss me too much!
 - (f) Potato chip is the most delicious food in the world.
 - (g) What is your favorite color?
 - (h) I love teddy bear!
 - (i) 4m + 2 > 12 if m = -2
- 2. Construct a truth table for the proposition $(p \lor \sim q) \land r$.