
 KEMENTERI/ PENDIDIKAN MALAYSIA  JABATAN MATEMATIK, SAINS DAN KOMPUTER		COURSE CODE/ COURSE NAME		DBM2033 DISCRETE MATHEMATICS	
		COURSEWORK ASSESSMENT		QUIZ 4	
		SESSION		DECEMBER 2018	
		DURATION	15 MINS	CLO1	10 MARKS
CLO2					
CLO3					
NAME					
REGISTRATION NO.					
PROGRAMME/ SECTION		TOTAL MARKS		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, C2

[2 marks]

If a girl has 5 skirts, 8 shirts, and 6 pairs of shoes, how many outfits can she wear?

$$5 \times 8 \times 6 = 240$$

Question 2

CLO2, C2

[3 marks]

A college football team plays 10 games during the season. In how many ways can it end the season with 5 wins, 4 losses, and 1 tie?

$$^{10}C_5 \times ^5C_4 = 1260$$

Question 3

CLO2, C2

[5 marks]

If eight people eat dinner together, in how many different ways may 3 order chicken, 4 order steak and 1 order lobster?

$$^8C_3 \times ^5C_4 = 280$$