

QUIZ NUMBER SEVEN FOR MTH 213

AYMAN BADAWI

Name _____, Id. Num. _____, Score $\frac{\quad}{10}$

QUESTION 1. Which of the following is a BI-PARTITE GRAPH...

C_{11} , W_6 , W_5 , C_{22} , K_6 , $K_{4,7}$, Q_3 .

QUESTION 2. Is it possible to construct a Multi-graph with 5 vertices having degrees: 2, 3, 5, 4, 3? If yes (USE THE BACK to construct). IF NO, STATE A ONE STATEMENT REASON.

QUESTION 3. Construct a graph with 4 vertices having degrees: 4, 2, 2, 2.

QUESTION 4. In Q_4 , How many EDGES are there? FIND all VERTICES that are adjacent to 0101.

DEPARTMENT OF MATHEMATICS & STATISTICS, AMERICAN UNIVERSITY OF SHARJAH, P.O. BOX
26666, SHARJAH, UNITED ARAB EMIRATES
E-mail address: abadawi@aus.edu, www.ayman-badawi.com