



COMSATS University Islamabad

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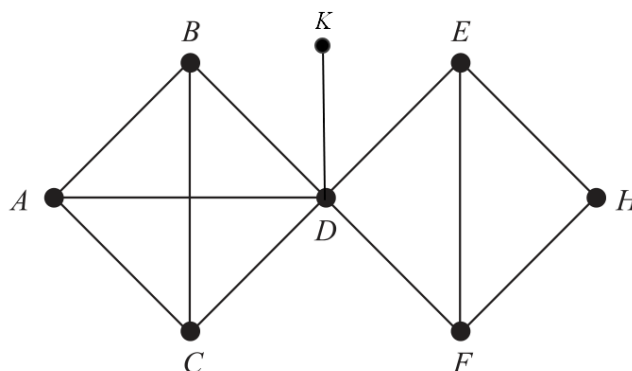
Assignment # 03

Class: BSM-II
Subject: Discrete Mathematics
Instructor: Dr. Atiq ur Rehman

Due Date: 2-6-2022 (10:00AM)
Course Code: MTH211
Marks: 10

Question # 1

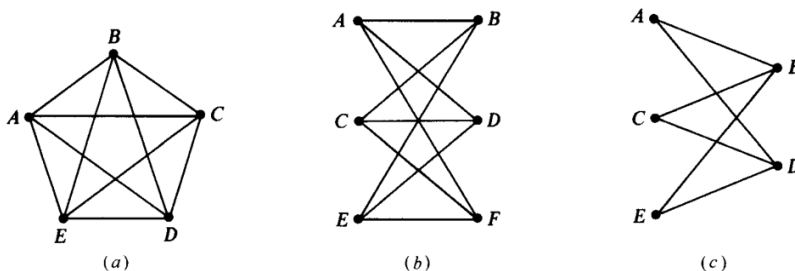
Consider the following graph as G .



- Draw the graph $G - D$.
- Let $e_{AB} = \{A, B\}$, that is, edge from A to B . Then draw $G - e_{AD}$.

Question # 3

Consider the graphs K_5 , $K_{3,3}$ and $K_{2,3}$ in figure given below. Find and draw an Euler (traversable) path or an Euler circuit of each graph, if it exists. If it does not, why not?



Academic Honesty Requirements:

You are encouraged to work with others in the completion of assignments, but it doesn't include copying. However, in the spirit of Academic Honesty, which includes crediting others for their contribution to your work, please include one of the following statements with every submitted assignment on title page:

- I worked alone on this assignment.
- I worked with the following: List their full names. Include their relationship to you if they are not also a member of this class.