

Program: B.Sc. E.E.E. 2nd Semester
Semester: Summer

Date: July 4, 2025 (Friday)
Time: 10:00 AM – 12:00 PM

ISLAMIC UNIVERSITY OF TECHNOLOGY (IUT)
ORGANISATION OF ISLAMIC COOPERATION (OIC)
DEPARTMENT OF TECHNICAL AND VOCATIONAL EDUCATION (TVE)

Examination: Mid Semester Examination
Course Number: Hum 4225
Course Title: Professional Ethics and Legal Issues

Academic Year: 2023 - 2024
Full Marks: 120
Duration: 2.00 Hours

There are 4 (four) questions. Answer all of the questions. The symbols have their usual meaning.

1. Explain how Le Messurier dealt with the engineering fault detected in the Citicorp tower in light of the following:

a) Conflict between moral responsibility and legal responsibility	10	CO2	PO2
b) Accountability	12	CO2	PO2
c) Conscientiousness	08	CO2	PO2

2. a) Milton Friedman argued that the sole responsibility of the manager to the stockholder is to maximize their profits within the boundaries of law and without committing fraud. Alternative view is stakeholders' theory: manager's responsibility extends to all involved with the corporation direct or indirect. Defend your view as to which of them you think is defensible morally.

20	CO2	PO2
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b) Although many engineering firms are run by professionals who move up the corporate ladder, in some corporations, higher management is dominated by individuals with a very different background. It is obviously unfair to stereotype persons by their degrees, but there may arise some conflict of point of views regarding the corporate strategies. How could you overcome the predicament as a member of the engineering community?

10	CO3	PO3
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3. a) Analyze the technical and engineering iteration that caused the TMI disaster.

20	CO2	PO2
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b) Compare the TMI and Chernobyl disaster in terms of "Safety Exit".

10	CO2	PO2
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4. Write short notes on the following:

a) Micro and Macro issues	10	CO2	PO8
b) Uncertainties in design	10	CO2	PO3
c) Transfer of Technology and Appropriate Technology.	10	CO2	PO8