

2

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

Date: 16 February 2023 (Thursday)
Time: 10:00 am – 11:30 am

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

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

Academic Year: 2021 - 2022
Full Marks: 75
Duration: 90 minutes

There are 4 (four) questions. Answer 3 (three) questions. The symbols have their usual meaning.

1. Discuss as to 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; 08
 - b) Accountability; 07
 - c) Conscientiousness; and 05 CO2 PO2
 - d) Praiseworthy/blameworthy. 05
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. 15 CO2 PO2
b) Although many engineering corporations are run by professionals who move up the corporate ladder, in some corporations higher management is dominated by individuals with a very different background, as we noted. 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
3. Discuss what you see as the main similarities and differences between Three Mile Island and Chernobyl disasters. 25 CO2 PO2
4. Write short notes on the following:
 - a) Risk benefit analysis; 08
 - b) Transfer of Technology and Appropriate Technology; and 10 CO1 PO1
 - c) Sustainable Development. 07