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**ISLAMIC UNIVERSITY OF TECHNOLOGY (IUT)**  
**ORGANISATION OF ISLAMIC COOPERATION (OIC)**

**Department of Computer Science and Engineering (CSE)**

**MID SEMESTER EXAMINATION**

**SUMMER SEMESTER, 2017-2018**

**DURATION: 1 Hour 30 Minutes**

**FULL MARKS: 75**

**Hum 4441: Engineering Ethics**

Programmable calculators are not allowed. Do not write anything on the question paper.

There are **4 (four)** questions. Answer any **3 (three)** of them.

Figures in the right margin indicate marks.

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1. a) What is a profession in general? Discuss the main characteristics of profession from sociological perspective. Which one among them is the most satisfying aspect of profession? Explain with suitable example. 15
  - b) "The concept of profession in the context of sociological perspective has both selfless and self-interest." - Explain in brief. 5
  - c) "Claim to genuine ethical regulation is sometimes seen to be suspicious" - Briefly explain it. 5
  2. a) "A social practice is inconceivable without this distinctive aim/objective." - Explain with examples. 5
  - b) Present the definition of profession given by Philosopher Michael Davis. Highlight various important characteristics derived from this definition. 10
  - c) Is Engineering a Profession? Justify in the context of the Socratic Account (i.e. definition given by Davis). 10
  3. a) Common morality and personal morality are closely parallel since they have common values in most of the cases. Then why do we not merge them into just one? Justify with example. 5
  - b) Define professional ethics. Describe its major properties. "Professional ethics dominates personal ethics" - Justify it using suitable examples. 10
  - c) Explain the concepts of preventive ethics and aspirational ethics. Mention the main strength of preventive ethics with suitable example. 10
  4. a) Explain the term "standard of care" defined by Joshua B. Kardon. Suppose Mr. X is a good computer engineer who works in one of the Scandinavian countries (i.e. Norway, Sweden, and Finland). While Mr. Y is also a good computer engineer who works in one of the developing countries (i.e. Congo, Cuba). They should satisfy the "standard of care" exactly in the same way. Justify your position. 10
  - b) There are three prominent ways in utilitarian thinking. The cost-benefit approach is one of them. Mention other two. Finally explain the major problems with the cost-benefit approach. 15