



UNITED INTERNATIONAL UNIVERSITY (UIU)
School of Science and Engineering
Department of Computer Science and Engineering
SOC 101/SOC 2101: Society, Technology & Engineering Ethics
(All Sections)

Mid-Term Exam

Fall 2024

Marks: (5x6=30)

Time: 1 Hour 30 Minutes

Answer any five questions (each question is of equal value).

1. Explain the concept of society. Illustrate the key features and the major changes have occurred in human societies from primitive to industrial to post-industrial.
2. The Industrial Revolution is not only a technological revolution but a socio-economic revolution that changed the way people lived afterward. How did the industrial revolution impact the society and what were the environmental consequences of it?
3. In today's rapidly changing world, there are instances where human activities have had detrimental effects on the environment due to factors like resource overuse, pollution, or unsustainable practices. Identify and discuss some of the environmental crises caused by the current form of economic development. Provide examples to support your answer.
4. 'Development should be thought of as involving the improvement of all aspects of the whole society, not just its GDP'- analyze the statement with logical arguments.
5. What is sustainable development? Write down the sustainable development goals.
6. Analyze the reasons why the 'modern' production and consumption pattern is a challenge for achieving sustainable development? Based on your own understanding, draw a link between the sustainable consumption and environmental protection.
7. Approximately 25,000 tons of solid waste are generated daily in urban areas of Bangladesh, with 170 kilograms (kg) per capita per year (Ahmed, 2019). Discuss how this problem could be solved through adopting effective waste management practices?