



Daffodil International University
Department of Electrical and Electronic Engineering
Faculty of Engineering
Mid Term Examination, Fall – 2024

Course Code: HUM 321
Section: A,B,C,D
Full Marks: 25

Course Title: Engineering Ethics and Environmental Protection
Level-Term: L3-T2
Exam Date: 01 October, 2024

Teacher's Initial: AKB, SS
Time: 1.5 Hours

All Questions are compulsory

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| Q1. Define Self-Centered Confidence and Faith Filled Confidence. | CO-1
C(1) | 2 |
| Q2. Why do we need moral inquiries? What are the different types of moral inquiries? | CO-1
C(1) | 3 |
| Q3. Explain how the codes of engineering ethics guide professional engineers in making decisions that prioritize public safety and welfare over personal or corporate gain. | CO-2
C(2) | 4 |
| Q4. Rahat is a high school teacher. During an important exam, he notices students are quietly cheating. The school's policy requires reporting any cheating immediately, but Rahat believes in giving students a chance to learn from their mistakes rather than punishing them right away.
What should Rahat do? Explain with the help of moral dilemma and autonomy | CO-2
C(1) | 6 |
| Q5. Imagine you are an engineer tasked with designing a manufacturing plant in Bangladesh where workers will be handling toxic chemicals. In the past, similar plants have not adequately informed employees about the risks, leading to serious health issues. You want to prevent this by ensuring safety measures are in place and workers are fully aware of the potential hazards.
How would you apply engineering ethics and risk management strategies to ensure safer work environment? | CO-3
C(1) | 6 |
| Q6. Show the characteristics of Stage 1 in Kohlberg's moral development theory and explain how this stage influence a person's moral reasoning. | CO-2
C(2) | 4 |