



## BRAINWARE UNIVERSITY

Term End Examination 2024-2025

Programme – B.Tech.(EE)-2023

Course Name – Values and Ethics in Profession

Course Code - HM-EE401

( Semester IV )

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

### Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

(i) Select which of the following is an example of a value.

- |            |                   |
|------------|-------------------|
| a) Honesty | b) Wealth         |
| c) Power   | d) None of these. |

(ii) Select which of the following is an example of an ethical dilemma.

- |  |  |
|--|--|
| a) Deciding between two equally desirable outcomes | b) Choosing between telling the truth or lying |
| c) Making a decision based on personal beliefs     | d) None of these                               |

(iii) Select which of the following is an example of a breach of ethics.

- |                         |                       |
|-------------------------|-----------------------|
| a) Honesty              | b) Cheating on a test |
| c) Being kind to others | d) None of these.     |

(iv) Identify the importance of value education.

- |  |  |
|--|--|
| a) It helps individuals develop strong character | b) It helps individuals get good grades in school  |
| c) It helps individuals make a lot of money      | d) It helps individuals become popular among peers |

(v) Select which of the following is an example of a violation of privacy in engineering ethics.

- |   |                                |
|---|--------------------------------|
| a) Falsifying records   | b) Ignoring safety regulations |
| c) Sharing confidential information with unauthorized parties | d) All of these                |

(vi) Illustrate the meaning of utilitarianism.

- |  |  |
|--|--|
| a) A moral theory that emphasizes the importance of personal virtue    | b) A moral theory that emphasizes the importance of individual rights      |
| c) A moral theory that emphasizes the importance of maximizing overall | d) A moral theory that emphasizes the importance of following social norms |



- happiness and minimizing overall suffering
- (vii) Illustrate what deontology is.
- A moral theory that emphasizes the importance of personal virtue
  - A moral theory that emphasizes the importance of maximizing overall happiness
  - A moral theory that emphasizes the importance of individual rights
  - A moral theory that emphasizes the importance of following social norms and duties
- (viii) Predict the main concern in Heinz's dilemma.
- Whether to steal
  - Whether to break the law
  - Whether to put your own needs over the needs of others
  - Whether to risk your own life for someone else
- (ix) Select which of the following is an example of an occupational crime.
- A person stealing from a retail store
  - A doctor prescribing unnecessary medication to patients for personal gain
  - A person speeding on the way to work
  - A person cheating on a test for a job interview
- (x) Choose the role of the safety professional.
- To design and implement safety programs
  - To monitor and evaluate safety programs
  - To investigate accidents
  - All of these
- (xi) Interpret the purpose of a safety plan.
- To outline procedures for responding to emergencies
  - To identify hazards and potential risks
  - To develop controls to prevent hazards
  - To promote safety awareness and culture
- (xii) Choose which of the following is an example of a voluntary risk.
- Taking medication as prescribed
  - Participating in a clinical trial
  - Being exposed to pollution
  - None of these
- (xiii) Choose which ethical principle is particularly relevant in assessing the acceptability of non-voluntary risks in engineering.
- Justice
  - Confidentiality
  - Non-maleficence
  - none of these
- (xiv) Choose which of the following is not a type of patent.
- Design patent
  - Utility patent
  - Plant patent
  - Copyright patent
- (xv) Choose which of the following is an ethical concern related to intellectual property rights.
- Limiting access to information
  - Exploiting the work of others for personal gain
  - Failing to credit the work of others
  - None of these

### Group-B

(Short Answer Type Questions)

3 x 5=15

- Describe the meaning of ethics. (3)
- Examine the importance of right conduct in business ethics. (3)
- Describe the concept of balanced outlook on law. (3)
- Determine the typical responsibilities of engineers towards safety. (3)
- Analyze some of the ethical issues associated with globalization. (3)

OR

Differentiate between price-fixing and whistle blowing. (3)

### Group-C

(Long Answer Type Questions)

5 x 6=30

7. Describe some of the potential consequences of ignoring engineering ethics. (5)
8. Explain the importance of risk assessment. (5)
9. Analyze how a lack of cultural understanding leads to ethical issues in the workplace. (5)
10. Inspect the steps that can be taken to overcome language and cultural barriers at a workplace. (5)
11. Describe with examples the various kinds of dignity. (5)
12. Evaluate the concept of intellectual property rights and why it is important to protect it in contemporary society. (5)

OR

Assess how conflict of interests can be resolved at workplace. (5)

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