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VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY (VSSUT), ODISHA
Mid Semester Examination for session 2024-25

COURSE NAME: PE for Engineers

SEMESTER: V

BRANCH NAME: CSE, EE (A&B), ETC(A&B), EEE, IT

SUBJECT NAME: **Professional Ethics for Engineers**

FULL MARKS: 30

TIME: 90 Minutes

Answer All Questions.

The figures in the right-hand margin indicate Marks. *Symbols carry usual meaning.*

- Q1. Answer all Questions. [2 × 3]
- a) What is the primary focus of 'Duty Ethics'? - CO1
- b) State one key limitation of applying Utilitarianism to engineering decisions. - CO2
- c) Define the term 'values' in the context of professional ethics. - CO3
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- Q2. [8]
- Define Engineering Ethics. Discuss its significance in the modern engineering profession, highlighting at least three key reasons why it is crucial. - CO1
- OR
- Explain the concept of 'Moral Autonomy'. How does developing moral autonomy contribute to an engineer's professional responsibility? - CO1
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- Q3. [8]
- Differentiate between Normative, Conceptual, and Factual inquiries in ethics with suitable examples relevant to an engineering context. - CO2
- OR
- "Law is a minimum standard of behavior, while ethics aims for a higher standard." Elaborate on this statement, clearly explaining the difference between ethics and law. - CO2
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- Q4. [8]
- Compare and contrast Consequentialism (Utilitarianism) and Deontology (Kantian Ethics) as ethical frameworks for resolving an engineering dilemma. - CO3
- OR
- Explain the core principles of Karma Yoga as presented in the Bhagavad Gita. How can these principles be applied to foster ethical conduct in the engineering profession? - CO3