



MUTHAYAMMAL ENGINEERING COLLEGE

(An Autonomous Institution)

(Approved by AICTE, New Delhi, Accredited by NAAC & Affiliated to Anna University)
Rasipuram - 637 408, Namakkal Dist., Tamil Nadu.

Department of Information Technology Question Bank - Academic Year (2020-21)

Course Code & Course Name : 19HSS08 – PROFESSIONAL ETHICS AND HUMAN VALUES
Year/Sem/Sec : II/IV

Unit-I: Human Values

Part-A (2 Marks)

1. What are human values?
2. Distinguish values from ethics and culture.
3. What is integrity?
4. Define work ethics
5. What is service learning?
6. Mention some civic virtues?
7. Write short notes on caring and sharing.
8. Write notes on honesty.
9. What is courage as a value?
10. Define co-operation.
11. Define empathy.
12. Define spirituality.
13. Define Integrity?
14. Define Compromise?
15. Give the two aspects of Honesty?

Part-B (16 Marks)

1. Explain the scope and importance of professional ethics in engineering. (16)
2. Discuss the role of yoga for professional excellence and stress management. (16)
3. Explain character and spirituality and their importance in ethics. (16)
4. Explain the important of self confidence in ethics. (16)
5. Explain in detail about engineering ethics and its philosophy. (16)
6. Discuss the scope and aims of Engineering ethics. Scope and aim of engineering ethics Professions and professionalism. (16)

Unit-II : Engineering Ethics

Part-A (2 Marks)

1. Define Ethics?
2. Define Engineering Ethics
3. What is the need to study Ethics?
4. Differentiate Moral and Ethics?
5. What is the method used to solve an Ethical problem?
6. What are the Senses of Engineering Ethics?
7. Differentiate Micro-ethics and Macro-ethics?
8. What are the three types of Inquiry?
9. What are the sorts of complexity and murkiness that may be involved in moral situations?
10. What are the steps in confronting Moral Dilemmas?
11. Define Moral Autonomy?
12. Give the importance of Lawrence Kohlberg's and Carol Gilligan's theory?
13. Give the need for Authority?
14. What are the criteria required for a Profession?
15. Give the general criteria to become a Professional engineer?

Part-B (16 Marks)

1. Describe the professional roles played by an engineer. (16)
2. Describe Kohlberg and Gilligan's theories on moral autonomy. (16)
3. Name and describe the theories of right action. (16)
4. Explain the details about the senses of engineering Ethics. (16)
5. Discuss in detail the various ethical theories and their uses. (16)
6. Explain the types of inquiries in engineering. (16)

Unit-III : Engineering As Social Experimentation

Part-A (2 Marks)

1. What are the conditions required to define a valid consent?
2. What are the two main elements which are included to understand informed consent?
3. What are the general features of morally responsible engineers?
4. What is the purpose of various types of standards?
5. Define Code?
6. Enumerate the roles of codes?
7. Give the limitations of codes?
8. What are the problems with the law in engineering?

9. Differentiate scientific experiments and engineering projects?
10. What are the uncertainties occur in the model designs?
11. Comment on the importance of learning from the past, using Titanic disaster, as an example?
12. Comment on the importance of learning from the past, using the nuclear reactor accident at Three Mile Island, as an example?
13. Differentiate casual influence and moral accountability in engineering?
14. State Babylon's Building Code?
15. Define Ethical Conventionalism?

Part-B (16 Marks)

1. What is the importance of codes of ethics? explain in detail. (16)
2. How can an engineer become a responsible experimenter? Explain in detail. (16)
3. How can engineer become a responsible experimenter? Highlight the code of ethics for engineers. (16)
4. Discuss on the roles played by the codes of ethics set by professional societies. (16)
5. Explain "Engineers as Responsible Experimenters". (16)
6. What are the similarities between engineering experiments and standard experiments? (16)

Unit-IV : Safety, Responsibilities And Rights

Part-A (2 Marks)

1. Define Risk?
2. Define a Disaster?
3. Give the criteria which helps to ensure a safety design?
4. What are the factors for safety and risk?
5. What are the drawbacks in the definition of Lawrence?
6. Give the categories of Risk?
7. What are the factors that affect Risk Accept ability?
8. What is the knowledge required to assess the risk?
9. What are the analytical methods?
10. What are the three conditions referred as safe exit?
11. How will an engineer assess the safety?
12. What are the reasons for Risk-Benefit Analysis?
13. Define Acceptability of risks?
14. Define Safety?
15. What is the definition of risks?

Part-B (16 Marks)

1. What is meant by conflict of interest? Distinguish between general and professional (16)

- conflicts of interest and discuss the various types of conflicts of interest.
2. What are intellectual property rights? Explain the elements of intellectual property rights in details and benefits of IPRS. (16)
 3. Discuss in detail about the employee Rights and its role in the organizations. (16)
 4. Discuss in detail about the moral and ethical issues involved in use of computers. (16)
 5. What are the factors that affect risk acceptability? what is the use of knowledge of risk acceptance to engineer? (16)
 6. Discuss The significance of intellectual property rights also explains the legislation covering IPR India. (16)

Unit-V : Global Issues

Part-A (2 Marks)

1. What is meant by moral leadership?
2. What are the questions that arise while considering the voluntary service in the field of Engineering?
3. What is code of ethics?
4. What are the common features involved in the code of ethics for Engineers?
5. Differentiate eyewitness and expert witness?
6. What is the need for Honesty?
7. What is meant by Competence?
8. What does Diligence mean?
9. Define Loyalty?
10. What are the different ways to create an ethical climate?
11. What are the important forms of conflicts that may arise for an engineering project manager?
12. What are the principles for conflict resolution?
13. Who are referred as consulting engineers?
14. What are the rules framed by NSPE in case of professional advertisements?
15. What do you mean by appropriate technology?

Part-B (16 Marks)

1. What is environmental ethics? Explain its significance. Give some of the environmental issues of concern to engineer. (16)
2. Explain the role of engineers as managers, consultants, witness and advisers. (16)
3. Define computer ethics. What are the issues in computer ethics? (16)
4. Discuss briefly weapons development and engineer's involvement in weapons work, as a global issue. (16)
5. Discuss briefly the role of multinational corporations on global issues. (16)
6. Explain the concept of moral leadership by engineers and discuss the role played by professional societies. (16)