GE1301 - PROFESSIONAL ETHICS & HUMAN VALUES

QUESTION BANK
UNIT – I

PART-A(2 MARKS)

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

PART –B (16 MARKS)

1. Briefly discuss honesty as value.
2. Write short notes on courage, co -operation.
3. What is service learning?
4. Distinguish values from ethics and culture.
5. What do u understand by the term spirituality? Explain in detail. Spirituality raises a man above the materialistic world into a realm where he seeks peace and real happiness.
6. Define the terms Values, Morals & Ethics?
7. Define Human Values?

UNIT – II

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?
16. Define Integrity?
17. Define Compromise?
18. Give the two aspects of Honesty?
19. Differentiate Self -respect and Self -esteem?
20. What are the two forms of Self -respect?
21. What are the senses of Responsibility?
22.When will you tell an Act as an involuntary one?
23. What are the types of Theories about Morality?
24. Differentiate Hypothetical imperatives and Moral imperatives?
25. State Rawl "s principles?
26. Give the various tests required to evaluate the Ethical Theories?
27. Give the drawbacks of Utilitarianism?
28. Give the drawback of Duty Ethics ?
29. Give the drawbacks of Rights Ethics ? How do we prioritize the rights of different individuals?
30. Differentiate Ethical Relativism and Ethical Egoism?
31. Define Ethical Pluralism?
32. Define Religion?
33. Give the uses of Ethical Theories?
34. What are personal ethics and business ethics ? .
35. What do you mean by normative ethics ?
36. What is descriptive ethics or non-normative ethics?
37. Mention some universally accepted ethical principles.
38. What do you mean by ethical subjectivism?
39. What are the steps in confronting moral dilemmas?
40. What is tacit-ethic and Meta -ethics ?
41. What is moral autonomy?
42. What do you mean by a sociopath?
43. What are the attributes to a profession?
44. What are the two models of a professional society?

PART-B (16 MARKS)
1..Explain professions and professionalism
2. What do u understand by the term moral dilemma? Differentiate with moral autonomy .
3.Briefly explain the three main levels of moral development, developed by Laurence Kohlberg.
4. How did Gilligan recast Kohlberg "s level of moral development?
5.i)Name and describe theories of right action.
   ii)Give an example of an ethical dilemma connected to your profession, Apply any two ethical theories to that and discuss if the right action arrived at its similar with both theories.

UNIT – III
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. What is the need to view engineering projects as experiments? ones.
10. Differentiate scientific experiments and engineering projects?
11. What are the uncertainties occur in the model designs?
12. Comment on the importance of learning from the past, using Titanic disaster, as an example
13. Comment on the importance of learning from the past, using the nuclear reactor accident at Three Mile Island, as an example?
14. Give any two prominent features of contemporary engineering practice that differentiate casual influence and moral accountability in engineering?
15. Are SRBs inherently too dangerous to use on manned spacecraft? If so, why are they part of the design?
16. Under what conditions would you say it is safe to launch a shuttle without an escape mechanism for the crew?
17. In your opinion, was the „Right for informed consent ‟of the astronauts of Space Shuttle Challenger respected?
18. Define Ethical Conventionalism?
19. State Babylon ‟s Building Code?

PART-B (16 MARKS)
1.i) Discuss why engineering work is seen as experimentation
  ii) Write a note about the general features of a morally responsible engineer
2. What are the ethical lessons we can learn from space shuttle challenger tragedy?
3. Highlight the importance of engineering ethics.
4. How can an engineer become a responsible experimenter.
5. Explain in detail the challenger accident. What are the ethical problems involved in this?
6. Give two case studies which will help us to learn from the past.

UNIT – IV
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?
5. Give the categories of Risk?
6. What are the factors that affect Risk Acceptability?
7. What is the knowledge required to assess the risk?
8. What are the analytical methods?
9. What are the three conditions referred as safe exit?
10. How will an engineer assess the safety?
11. What are the reasons for Risk -Benefit Analysis?
12. Are the engineers responsible to educate the public for safe operation of the equipment? How?
13. Define Safety?

14. What is the definition of risks?

15. Define Acceptability of risks?

16.What are the safety measures an engineer must know before assessing a risk of any product?

17. What is the use of knowledge of risk acceptance to engineers?

18. What is meant by Disaster? Give an example.

19. What are the positive uncertainties in determining risks?

20. What is the use of Risk -Analysis? What are the three factors involved here?

21. Define Risk-Benefit Analysis?

22. Explain the two types of Risk?

23. What does Strict Liability mean?

24. Give the reasons for the Three Mile Island disaster?

25. What is the main barrier to educational attempts?

26. What happens to the products that are not safe?

27. What does Open -mindedness refer to?

28. What was the problem in the Chernobyl reactor?

29. Define Collegiality?

30. What are the central elements of collegiality?

31. What are the two senses of Loyalty?

32. When may an Identification Loyalty be said as obligatory?

33. What is the relationship between the Loyalty to the company and Professional responsibility to the public?

34. 16. Define Institutional Authority?

35. 17. Define Expert Authority?

36. What is the basic moral task of salaried engineers?

37. What are the guidelines to reach an agreement?

38. Define confidential information?

39. What are the criteria for identifying that information is "labeled" confidential at the workplace?

40. What are the terms associated with Confidentiality?

41. How will you justify the obligation of confidentiality?

42. Define Conflicts of Interest?

43. Why does a conflict of interests arise?

44. What is a Bribe?

45. What is a Gift?

46. What is called Kickbacks?

47. What are the types of Conflicts of interest?

48. What are the forms of Conflicts of interest?

49. How will you solve the Conflict problems?

50. What is called „White -collar crime"?

51. What are the essential elements of IPR?

PART-B (16 MARKS)

1 i)What may be safe for one person may not be safe for the others?Discuss.

   ii)Explain the „Risk Benefit Analysis" and conceptual problems associated with it.

2 .i)Write short notes on right of conscientious refusal and right to recognition of professional engineers

ii)Describe the features,types and guidelines in Whistle blowing.Explain how corporations can prevent it among its employees.

3."A nuclear accident anywhere in a nuclear accident anywhere".Explain this respect to Three mile island case study.

4.What is risk benefit analysis?Explain the different analytical methods used when testing is inppropriate.

5.Discuss the moral issue raised by whistle blowing.

6.How will you access and reduce the risk?

UNIT – V
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 is the basic ethical and moral responsibility of a manager-engineer?
11. .What are the different ways to create an ethical climate?
12. What are the important forms of conflicts that may arise for an engineering project manager?
13. What are the principles for conflict resolution?
14.Who are referred as consulting engineers?
15. What are the rules framed by NSPE in case of professional advertisements?
16. What do you mean by appropriate technology?
17. What are the ill effects of acid rain?
18. What do you mean by technology transfer?
19. What are the ethical issues or questions that arise in environmental protection?
20. Quote some examples of pollution that spoiled the environment?
21. What is computer ethics ?
22. Give any ten commandments of computer ethics ?
23. What is hacking?
24. What is autonomous computer?
25. What are the three versions of Relativism?
26. What are the moral dimensions of an Engineer-manager?
27. Give any ten International rights suggested by Donaldson?
28. What are the reasons for the disaster at Bhopal?
29. Give some of the Environmental issues of concern to engineers?
30. What are the issues in Computer ethics ?
31. What are the problems of Defense industry?
32. What are ways to promote an Ethical climate?
33. What are the important forms of Conflicts?
34. What are the Principles of Conflicts of interest?
35. What are the normative models to be used to avoid conflicts?
35. What are the normative models to be used to avoid conflicts?

36. What are the characteristics of an engineer as expert advisers in public planning and policy making?

37. How can Deceptive advertising be done?

38. Give the usage of the code of conduct?

39. What are professional issues of using computers?

40. What are the requirements of Patents?

40. What are the types of Patents?

41. What is the need for Protection to IPR?

42. What is the Importance of IPR?

What are the main features of Whistle Blowing?

46. Differentiate External Whistle Blowing and Internal Whistle Blowing?

47. Differentiate Open Whistle Blowing and Anonymous Whistle Blowing?

48. When Whistle Blowing is morally permitted and morally obligated?

49. What are the two general ways to apply ethical theories to justify the basic right of professional conscience?

50. Define Employee Rights?

51. Define Sexual Harassment?

52. Define Discrimination?

53. What are the general procedures for implementing the right to due process?

54. Differentiate Human Rights and Professional Rights?

55. Differentiate Weak Preferential Treatment and Strong Preferential Treatment?

PART-B (16 MARKS)

1. Discuss the ethical issues related to computer ethics and internet.

2. Write down the highlight of code of ethics in ASCE guidelines

3. What are the philosophical views of nature? Explain.

4. Write briefly on any two

  i)Engineer as expert witness.

  ii)Engineer as good managers.

  iii)Engineers as consulting managers.

5 i)Explain in detail technological transfer and appropriate technology.

   ii)Describe the different ethical problems that exists in computer science and technology.

6 i)What are the various ways of promoting morally justifiable measures for a Multinational corporation(MNC)?

   ii)Explain the role of engineers as managers.