

Module 5 - State Executive and Governor

Professional Engineering ethics and Responsibilities in Engineering Engineering Ethics – Honesty; Integrity; Reliability; Risk; Safety; Liability in Engineering

1. Acceptable risk means

- a) Risk which is the natural part of the process
- b) Unavoidable risk c) Inevitable risk d) harmless risk

2. Risk in engineering means

- a) The potential that something unwanted may occur
- b) Taking risk to venture out something
- c) Without taking risk nothing can be achieved
- d) An inadvertent oversight

3. Engineering profession must have

- a) Common sense b) honesty
- c) Hard work d) Expert and sound knowledge

4. One of the characteristic of profession is

- a) Monopoly b) Hard work c) Honesty d) Competition

5. Good work means

- a) Superior work b) work involving risk
- c) Responsible work d) Work above and beyond the call of duration

6. Minimalist view means / Minimalist view refers to

- a) A concept of responsibility
- b) Minimizing industrial loss
- c) A narrow thinking
- d) A ministerial view

7. Reasonable restriction can be imposed on any profession in the interest of

- a) Clients b) employees c) trade and commerce d) general public

8. The owner of patent right retains his patent right for/ patent right is for

- a) 20 years b) 80 years c) 100 years d) 75 years

9. Patent rights holds good for / The patent holder does not allow others to use potential information for

- a) 50 years b) 40 years c) 20 years d) 10 years

10. **The patent holder does not allow others to use potential information for years**

- a) 10 b) 15 c) 18 d) 20

11. **The term ethics is derived from**

- a) ethical in English b) Ethic in Latin
- c) Ethicos in Greek d) French

12. **Ethics is**

- a) Normative science
- c) Both normative and natural
- b) natural science
- d) Objective scheme

13. **Engineering ethics is a**

- a) Developing ethics b) natural ethics
- c) Preventive ethics d) scientifically developed ethics

14. **Engineering ethics is _____**

- a) A macro ethics b) Business ethics
- c) A preventive ethics d) A code of scientific rules based on ethics

15. **Is it possible to separate professional ethics from personal ethics?**

- a) No b) Yes
- c) Possible to some extent d) none of these

16. **One of the characteristic of profession is**

- a) It demands high standard of honesty
- b) It provides opportunities to help poor and the needy
- c) usually it is having monopoly
- d) It is having rough competition

17. **Revealing confidential matters refers to**

- a) Breach of contract b) violation of patent right
- c) Criminal breach of trust d) misusing the truth

18. **When an engineer abuses Client Professional confidentiality, it amounts**

-
- a) Misusing the truth
 - b) criminal breach of trust
 - c) Self deception
 - d) none of these

19. These are not trade secrets

- a) Devices b) formulae c) patterns d) principles

20. Trade secrets does not include

- a) Formulas b) Colours c) Patterns d) devices

21. Group thinking is

- a) Useful to know the problems b) an impediment to responsibility
- c) A cause to confusion and loss d) an impediment to progress

22. The purpose of studying engineering ethics is

- a) To enjoy more status in the society b) to develop one's skills
- c) To know the professional problems d) To know the secrets of profession

23. An expert testimony does not demand

- a) Objective and unbiased demeanour b) expert legal knowledge
- c) Adequate time for investigation d) consulting a lawyer

24. Reliability implies

- a) Confidence, trust and dependability b) enthusiasm and genius
- c) Tension reducing and comforts d) deception

25. Professional ethics is

- a) Set of rules relating to personal character of professionals
- b) Set of rules passed by professional bodies
- c) Set of standards adopted by professionals
- d) traditional rules

26. One of the aims of engineering ethics is to

- a) Make engineers self confident to discharge their duties
- b) Acquire new skills
- c) stimulate the moral imagination
- d) Inspire engineers to acquire knowledge of their field

27. One of the ways of misusing the truth is

- a) Making totally false statement b) making confused statement
- c) Exaggerating the truth d) failure to seek the truth

28. Engineers shall issue public statements only

- a) In subjective manner
- b) in objective manner
- c) based on the high officer's report
- d) On their personal responsibility

29. Professional; autonomy means

- a) Exercising independent and objective judgement
- b) liberty in selecting the work
- c) Liberty to express independent view
- d) none

30. One of the impediments to responsibility is / which is one of the Hindrances to the responsibility?

- a) Self deception
- b) Political interference
- c) High officer's interference
- d) Corruption

31. Engineering ethics

- a) Stresses on time management b) Stimulates research work
- c) Stimulates normal imagination d) Update one's knowledge

32. The basic attitude towards responsibility is

- a) Recklessly causing harm b) negligently causing harm
- c) Intentionally causing harm d) None of the above

33. For an ethical engineer responsibility is

- a) Moral responsibility b) Both legal and moral responsibility
- c) Legal responsibility d) social responsibility

34. This is not impediment to responsibility

- a) Self deception b) Self respect c) Fear d) Punishment

35. Expert testimony means

- a) Designed by expert engineer
- b) tested by expert engineer
- c) Document drafted by legal expert
- d) Evidence having competent technical knowledge

36. One of the characteristics of profession is that

- a) It is based on honesty b) it demands hard work
- c) It is having monopoly d) it has competition

37. Work above and beyond full call of duty means

- a) Good work b) reasonable work
- c) Work involving high risk d) responsible work

38. Conflict of interest may be

- a) Imaginary b) Created c) Potential d) All of the above

39. It is not a kind of trade mark

- a) Good will b) Symbols c) Sounds d) Designs

40. Creamy layer means

- a) Highly educated class
- b) Higher income persons of backward class
- c) High post men
- d) highly cultured persons

41. Exclusion of creamy layer makes a backward class / The term backward class implies backwardness

- a) Socially back ward
- b) truly backward
- c) More backward
- d) Economically backward

42. Intellectual property is protected by

- a) Patents, trademarks and copy rights
- b) Company documentation
- c) Storage in computers
- d) Scrutiny personal

43. Engineer's first obligation is towards

- a) His employer b) Public safety c) Government d) Clients

44. The codes of ethics can be taken as guidelines by the engineers to

- a) Resolve conflicts b) Formulate problems
- c) Overcome the work pressure d) Escape from the responsibility

45. A fault tree is used to

- a) Assess the risk involved
- b) Claim compensation
- c) Take free consent
- d) Improve safely

46. A fault tree is used

- a) To trace the risk
- b) To assess the accuracy
- c) To trace the result
- d) To assess the risk

47. Engineers will serve society better, if they are informed about

- a) Morality & technical standards
- c) Standards of science d) Litigation process

48. Reliability is built through

- a) Engineer's track record b) Engineer's Goodness
- c) Engineer's communication skill d) Engineer's obedient conduct

49. Which one is not a trade secret?

- a) Theorem b) Equipment c) Formulae d) pattern

50. The greatest impediment to responsibility is

- a) Rampant corruption b) Self interest/self deception
- c) Interference by politicians d) Interference by higher officials

51. To overcome impediment “uncritical acceptance” what step an engineer has to take

- a) Analyse and accept
- b) Accept and analyse
- c) Always say 'yes' boss
- d) None of these

52. Conflict of interest may be

- a) Actual b) Imaginary c) Produced d) True

53. Fear is ____ to responsibility

- a) A way to shifty b) an impediment c) conflict d) both a&c

54. Fear is an impediment to

- a) Accountability b) Transparency c) Liability d) Responsibility

55. This is not impediment to responsibility

- a) Fear b) Self interest c) Group thinking d) Critical acceptance of authority

56. Risk estimation can be done by using

- a) Cooking b) Trimming c) event tree d) both a&b

57. Tendency of shifting responsibility will logically come down if there is

- a) Group thinking b) Microscopic vision c) Fear d) Both a&b

58. Considering an engineering profession as building then, is its foundation of

- a) Honesty b) Creativity c) Imagination d) both b&c

59. Honesty is

- a) Perfectness b) Readiness c) truthfulness d) Surrendering to god

60. Which of the following is not conflict of interest as applied to making judgement?

- a) Actual b) Potential c) Apparent d) Virtual

61. **The formulae of soft drink is an example of**
a) Trade secret b) patent c) Copy right d) trade mark
62. **Which one is not the way of misusing the truth**
a) Withholding the truth
b) failing to adequately promote the dissemination of information
c) Deliberate deception
d) patenting
63. **The formula of MTR Sambar Masala is an example for**
a) Trade secret b) patent c) Copy right d) trade mark
64. **Which of the following is not the concept of responsibility?**
a) Minimalist b) Utilitarianism c) reasonable care d) Good works
65. **Which of the following is not the concept of responsibility?**
a) Minimalist b) Maximalist c) reasonable care d) Good works
66. **One of the basic attitude towards responsibility is**
a) Vigilant view b) minimalist View c) maximalist View d) Moralistic view
67. **The smoothing of irregularities to make data to look extremely precise done researches called**
a) trimming b) Cooking c) plagiarism d) forging
68. **Failure to seek out the truth is / one of the ways to misuse the truth**
a) Exaggerating the truth
b) Abusing the truth
c) Misusing the truth
d) falsifying the truth
69. **Telling truth when should not is _____**
a) Honesty b) Dharma of an engineer
c) Misusing the truth d) business principle
70. **Engineers must protect the public from**
a) Acceptable risk b) impending risk c) Technical risk d) none of these
71. **“Whatever develops our moral virtues is ethical” is the principle of**
a) Justice approach
b) Right approach
c) Utilitarian approach
d) virtual approach

72. Intentionally causing harm is related to

- a) Legal responsibility
- b) Moral responsibility
- c) Both a & b
- d) None of these

73. NSPE denotes

- a) National scheme for professional ethics
- b) National society for professional engineers
- c) National sector wise programme efficiency
- d) National scheme for professional engineers

74. “Retaining only those results that fit the theory and discarding other” is / As applied to engineering research and testing retaining the contradictory statement , discarding the rest

- a) Cooking
- b) trimming
- c) Forging
- d) Plagiarism

75. The diagram of possible ways in which, an accident occurs is represented by

- a) Blue print
- b) Fault tree
- c) Flow chart
- d) None of these

76. Vicarious liability is

- a) A person held liable for actions committed by him
- b) A person held liable for actions not committed by him
- c) Both a and b
- d) None of these

77. “Not settling for less than what you deserve” is

- a) Honesty
- b) Dharma
- c) Integrity
- d) Eligibility

78. Jingle associated products represent

- a) Trade mark
- b) Copy right
- c) Patent right
- d) trade secret

79. Engineers must

- a) Recognize the value of code of ethics
- b) Support a code of ethics
- c) Look upon a code of ethics as sacred writ
- d) Both a and b

80. Interpret means

- a) Interrupting exercise of a legal right
- b) Passing law by absolute majority
- c) Ascertaining the meaning of a word
- d) Amending a law to make it more effective

81. The basic attitude towards responsibility is

- a) Intentionally causing harm
- b) negligently causing harm
- c) Minimalist
- d) recklessly causing harm

82. Minimalist view means

- a) A ministerial view
- b) A novel plan to minimize industrial loss
- c) A narrow thinking
- d) A concept of responsibility

83. Good work means

- a) Superior work done with great care and skill
- b) Responsible work
- c) Work above and beyond the call of day
- d) Work involving high risk

84. One of the characteristics of profession is

- a) It gives scope to exercise one's skill
- b) it gives monopoly on service
- c) It provides opportunity to help the poor and needy
- d) It demands high standards of honesty

85. These are not trade secrets

- a) Formulas b) Principles c) Patterns d) Devices

86. Professional ethics takes in to account:

- a) The personal character of engineers
- b) The temperament of engineers

- c) The religious bent of mind of engineers
- d) The social background of engineers

87. **Protection of expression of ideas, but not the ideas themselves, is called**

- a) Copy right
- b) Plagiarism
- c) Patent
- d) Forging

88. **Engineers can use the code of ethics as guidelines to:**

- a) Resolve the conflicts
- b) Formulate a problem
- c) Shift responsibility
- d) overcome work pressure

89. **No code will give___to get solutions for ethical problems**

- a) Guidelines
- b) Set of ideas
- c) An algorithm
- d) Ethical standards

90. **Cooking means**

- a) Boiling under pressure
- b) Retaining the results which fit theory
- c) Making deceptive statements
- d) Misleading the public about the quality of a product

91. **Revealing confidential information amounts to**

- a) Misusing the truth b) breach of contract
- c) Criminal breach of trust d) violation of patent rights

92. **It is not a kind of trade mark**

- a) Designs
- b) Sounds
- c) Symbols
- d) Goodwill

93. **An author retains copyright on his/her work for**

- a) 100 years
- b) 150 years
- c) 50 years
- d) 25 years

94. This is not dishonesty in engineering

- a) Forging
- b) Blending or Crimping
- c) Trimming
- d) Cooking

95. An engineer may not be held legally liable for causing harm, when harm is caused

- a) Intentionally
- b) Ignorantly
- c) Negligently
- d) Recklessly

96. Plagiarism means

- a) Trespassing upon immovable property
- b) Trespassing against movable property
- c) Using intellectual property of others without their permission
- d) Misusing the truth by deception

97. Stealing of intellectual property means

- a) Cooking
- b) Forging
- c) plagiarism
- d) Trimming

98. Which of the following is not treated as an intellectual property?

- a) patent
- b) Copy Right
- c) Statute
- d) Trade Mark

99. One of the way of reducing the risk is

- a) Complex interaction
- b) Tight coupling
- c) Normalization of deviance
- d) Changing the work system

00. Fear is to responsibility

- a) A way of shift
- b) An impediment
- c) A conflict
- d) None of these

01. Is fear impediment or hindrance to responsibility

- a) No
- b) Yes to some extent
- c) yes and no
- d) yes

02. Tight couple means

- a) Binding two beams tightly
- b) Process tightly coupled
- c) Erecting two pillars side by side
- d) Strong adhesive material

03. **The use of intellectual property of others without their permission is known as / Stealing of intellectual property means**
- a) Forging
 - b) Plagiarism
 - c) Trimming
 - d) Cooking
04. **Which of the following is not preserved as an intellectual property**
- a) Government regulations
 - b) Copy rights
 - c) Patents
 - d) Trade secrets
05. **An author retains copy right of his / her book for after his or her death**
- a) 20 years
 - b) 30 years
 - c) 50 years
 - d) 10 years
06. **Conflict of interest exists for an engineer when he is subjected to**
- a) Threat
 - b) Loyalties
 - c) Professional harassment
 - d) Professional impediments
07. **Professional ethics deals with**
- a) Ethical standards accepted by the professional community
 - b) Legal standards
 - c) Business aspects
 - d) official matters
08. **Conflict interest_____**
- a) Creates tension with the employer
 - b) Corrupts professional judgement
 - c) Is an impediment
 - d) hampers the progress of industrial growth
09. **Corrupt professional judgement leads to**
- a) Conflict of interest
 - b) Integrity in R&D
 - c) reliability
 - d) None of these

10. Professional ethics is

- a) Set of rules relating to personal character of professionals
- b) Traditional rules observed since a long time
- c) Set of rules passed by professional bodies
- d) Set of standards adopted by professionals

11. Which one is not impediment to responsibility?

- a) Group-think
- b) Microscopic vision
- c) Trade mark
- d) ego centric tendencies

12. ASME stands for

- a) American society for Mechanical Engineers
- b) Asian society for Model Engineers
- c) Atlantic society for Model Engineers
- d) African society for Modern Engineers

13. Which of the following is not advised by NSPE codes to engineers?

- a) To be honest
- b) Not to use firms home in dishonest business
- c) Not to have deceptive acts
- d) To have professional obligations

14. Professional autonomy means

- a) Exercising independent and objective judgement
- b) Liberty in selecting the work
- c) Liberty to express independent view
- d) None

15. This is not a dishonesty in Science and Engineering

- a) Cooking b) Forging
- c) Trimming d) blending

16. Minimalist view means

- a) Minimum View b) Limited View
- c) Stay out of trouble d) None of these

17. The study of engineering ethics helps

- a) To develop analytical skill
- b) to ascertain genuine needs of public
- c) Gain perfect and complete knowledge in application of engineering technology
- d) All the above

18. Forging means

- a) Mixing material under high pressure
- b) Strengthening material by special process
- c) Inventing research data which are reported
- d) Signing in the name some other person

19. This is not the aim of studying engineering ethics

- a) Crimping b) Cooking c) Forging d) Plagiarism

20. One of the essential of the engineering profession is

- a) Hard work b) Engineering Skill c) Honesty d) Expert Knowledge