



SIDDARTHA INSTITUTE OF SCIENCE AND TECHNOLOGY :: PUTTUR

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(AUTONOMOUS)

QUESTION BANK (DESCRIPTIVE)

Subject with Code : Human Values And Professional Ethics (19HS0858) Regulation: R19

Course & Branch: B.Tech & CE

Year & Sem: III/I

UNIT-I(HUMAN VALUES)

1. (a) What are human values? List key principles that compose the foundation of human values. [L4][CO1][5M]
(b) Explain why the study of human values is very essential to engineers. List few important human values and sub values. [L2][CO1][5M]
2. (a) Define Moral? List characteristics of moral values? [L2][CO1][5M]
(b) Define Ethics? Explain it in relation to other studies? [L2][CO1][5M]
3. (a) What is meant by the virtue term integrity? What are the different accounts of integrity? [L1][CO1][5M]
(b) What is work ethic? Discuss briefly the various elements of it? [L4][CO1][5M]
4. (a) What is service learning? Why is service learning important? [L1][CO1][5M]
(b) What are the important characteristics of service learning? [L1][CO1][5M]
5. (a) What is time management? Write the steps required to manage one's time? [L1][CO1][5M]
(b) What is meant by civic virtue? What are some salient features of courage? [L1][CO1][5M]
6. Explain importance of following human values:
(i) Caring (ii) Sharing (iii) Co-operation (iv) Commitment [L2][CO1][10M]
7. (a) What is meant by empathy? What is difference between empathy and sympathy? [L1][CO1][5M]
(b) What are benefits of empathy? [L1][CO1][5M]
8. (a) Write short notes on the following human values:
(i) Self confidence (ii) character [L2][CO1][5M]
(b) Explain the concept of spirituality in work place? [L2][CO1][5M]
9. Define the terms Yoga and Meditation? Discuss their role in stress management? [L3][CO1][10M]
10. (a) List some time wasters identified by Engineers? [L4][CO1][5M]
(b) What is meant by spirituality? How does it differ from religion? [L1][CO1][5M]

UNIT- II (ENGINEERING ETHICS)

1. (a) Define ethics. Describe any four disciplines of ethics? [L2][CO2][5M]
(b) Why is it necessary for engineering students to study engineering ethics?
[L1][CO2][5M]
2. (a) Write short notes on 'senses or dimensions of engineering ethics'. [L2][CO2][5M]
(b) What is morality? What are moral reasons? [L1][CO2][5M]
3. (a) What are the different approaches to engineering ethics? [L1][CO2][3M]
(b) Where and how do moral problems arise in engineering? [L1][CO2][7M]
4. (a) What are the types of inquiries in engineering ethics? Explain any one type of enquiry with suitable example? [L2][CO2][5M]
(b) What are the steps in confronting moral dilemmas? [L1][CO2][5M]
5. (a) What are the factors influencing the moral concern? [L1][CO2][5M]
(b) What is meant by moral autonomy? What are the skills required to improve moral autonomy? [L1][CO2][5M]
6. (a) Explain the various stages of moral development as given by Kohlberg. [L2][CO2][5M]
(b) What was the base for Kohlberg and Gilligan theories of moral development? Also write drawbacks of Kohlberg's theory? [L1][CO2][5M]
7. (a) Explain Gilligan's theory of moral development? [L2][CO2][5M]
(b) What is consensus and controversy? Explain relationship between autonomy and authority with an example? [L1][CO2][5M]
8. (a) Define profession and professionalism? [L2][CO2][5M]
(b) What are the professional roles to be played by an engineer? [L1][CO2][5M]
9. (a) What is meant by utilitarianism? Discuss the two versions of utilitarianism?
[L1][CO2][5M]
(b) What are the similarities between duty ethics and right ethics? [L1][CO2][5M]
10. (a) What are the uses of ethical theories? [L1][CO2][5M]
(b) What are the attributes of a profession? [L1][CO2][5M]

UNIT-III (ENGINEERING AS EXPERIMENTATION)

1. (a) What are the similarities between engineering experiments and standard experiments? [L1][CO3][5M]
(b) What do you understand by informed consent in the context of engineering as experimentation? [L1][CO3][5M]
2. (a) What are the general responsibilities of engineers to society? [L1][CO3][5M]
(b) Explain about conscientiousness? [L2][CO3][5M]
3. (a) What are the general features of morally responsible engineers? [L1][CO3][5M]
(b) What are the requirements for engineers to act as responsible engineers in the context of engineering as social experimentation? [L1][CO3][5M]
4. (a) Brief about 'moral autonomy' and 'accountability' viewing engineering as social experimentation? [L4][CO3][5M]
(b) What are Codes of Ethics? [L1][CO3][5M]
5. What are the different roles and functions of codes of ethics? [L1][CO3][10M]
6. (a) Write any five reputed engineering societies that have published codes of ethics?
[L1][CO3][5M]
(b) What are limitations of codes of ethics? [L1][CO3][5M]
7. (a) Write any five ways of promoting ethics by the engineering societies? [L1][CO3][5M]
(b) What are the objections of codes of ethics? [L1][CO3][5M]
8. (a) What does balanced outlook on law emphasize upon? Define a law? [L1][CO3][5M]
(b) How law and ethics are related to each other? [L3][CO3][5M]
9. (a) Define the term standardization? What are the facilities provided by standards?
[L2][CO3][5M]
(b) Tabulate types of standards and their purposes with examples? [L5][CO3][5M]
10. (a) What are the problems associated with the laws in engineering? [L1][CO3][5M]
(b) Enumerate the proper role of law in engineering? [L4][CO3][5M]

UNIT-IV(SAFETY, RESPONSIBILITIES AND RIGHTS)

1. (a) Define safety? Enumerate criteria for ensuring safe design? [L2][CO4][5M]
(b) Define risk? What are the factors influencing risk? [L2][CO4][5M]
2. (a) How to incorporate safety into the engineering design process? [L3][CO4][5M]
(b) How can the products be designed by the engineers to minimize the risk to the user? [L3][CO4][5M]
3. (a) Write the factors that influence the perception of risk? [L1][CO4][5M]
(b) What are the job related risks? [L1][CO4][5M]
4. (a) Brief about voluntary risk and controlled risk with examples? [L4][CO4][5M]
(b) Explain in detail the effect of why both low-risk and high-risk products are costly? [L2][CO4][5M]
5. (a) What is the role of engineers to safeguard the public from risk? [L1][CO4][5M]
(b) Brief about reducing risks? [L5][CO4][5M]
6. (a) What is meant by respect for authority? How institutional authority differs from expert authority? [L1][CO4][5M]
(b) What is meant by collective bargaining? Brief the process of collective bargaining? [L1][CO4][5M]
7. (a) Write minimum three arguments in favor and against unions? [L1][CO4][5M]
(b) What types of information should be kept confidential? [L1][CO4][5M]
8. (a) Define the terms confidentiality and confidential information? What are the external responsibilities of engineers? [L2][CO4][5M]
(b) Explain the different types of conflicts of interest with suitable examples? [L3][CO4][5M]
9. Discuss in detail about terms related to confidential information? [L4][CO4][10M]
10. (a) What are occupational crimes? [L1][CO4][5M]
(b) Define whistle blowing? What are the types of whistle blowing? [L1][CO4][5M]
11. (a) Write about justification of professional rights by ethical theories? [L1][CO4][4M]
(b) Discuss briefly about the following
(i) Patents (ii) Trade marks (iii) Copy rights [L4][CO4][6M]
12. (a) What are the benefits of Intellectual property rights? [L1][CO4][5M]
(b) Define discrimination and preferential treatment? What are different kinds of preferential treatment? [L2][CO4][5M]

UNIT-V (GLOBAL ISSUES)

1. (a) Define MNC? What criteria for corporation to be called as MNC? [L2][CO5][5M]
(b) What are the merits of MNC's doing their business in underdeveloped and developing countries? [L1][CO5][5M]
2. (a) Explain the meaning of environmental ethics. What are the various environmental concerns for engineers? [L3][CO5][5M]
(b) What does professional codes of ethics say about the environment? [L1][CO5][5M]
3. (a) Write about Sentient-Centered ethics? [L1][CO5][5M]
(b) Write about Human-Centered environmental ethics? [L1][CO5][5M]
4. (a) What is meant by computer ethics? Explain how the computers can be used as the instrument of unethical behavior? [L1][CO5][5M]
(b) Write short notes on Hacking and Computer virus? [L1][CO5][5M]
5. What are the 'Ten commandments of computer ethics'? [L1][CO5][10M]
6. (a) Discuss an engineer's involvement in weapons work. Why do some engineers refuse to do war works? [L4][CO5][5M]
(b) What are the defense industry problems? [L1][CO5][5M]
7. (a) Why do most of the engineers move into managerial roles? [L1][CO5][5M]
(b) What are the two main responsibilities of engineer-managers? [L1][CO5][5M]
8. (a) Who are the consultants? Write short notes on consulting engineers and the areas they work? [L1][CO5][5M]
(b) What does deceptive advertisement mean? In what ways deceptive advertisements can be made? [L1][CO5][5M]
9. (a) What does forensic engineering mean? Explain the role of engineers as eye witness and expert witness? [L1][CO5][5M]
(b) Write short notes on financial bias, ego bias and sympathy bias? [L1][CO5][5M]
10. (a) What is moral leadership? Who are moral leaders? [L1][CO5][5M]
(b) Discuss the role of moral leadership and their participation in engineering societies? [L2][CO5][5M]