



SIDDHARTH GROUP OF INSTITUTIONS :: PUTTUR
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AUTONOMOUS
QUESTION BANK (DESCRIPTIVE)

**Subject with Code :HUMAN VALUES AND PROFESSIONAL ETHICS(16HS606)Course &
Branch: B.Tech - ME Year & Sem:I-B.Tech & I-Sem**

UNIT-I

[HUMAN VALUES]

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

UNIT- II [ENGINEERING ETHICS]

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

UNIT-III [ENGINEERING AS EXPERIMENTATION]

1. (a) What are the similarities between engineering experiments and standard experiments? -5M
(b) What do you understand by informed consent in the context of engineering as experimentation? -5M
2. (a) What are the general responsibilities of engineers to society? -5M
(b) Explain about conscientiousness? -5M
3. (a) What are the general features of morally responsible engineers? -5M
(b) What are the requirements for engineers to act as responsible engineers in the context of engineering as social experimentation? -5M

4. (a) Brief about 'moral autonomy' and 'accountability' viewing engineering as social experimentation? -5M
(b) What are Codes of Ethics? -5M
5. What are the different roles and functions of codes of ethics? -10M
6. (a) Write any five reputed engineering societies that have published codes of ethics? -5M
(b) What are limitations of codes of ethics? -5M
7. (a) Write any five ways of promoting ethics by the engineering societies? -5M
(b) What are the objections of codes of ethics? -5M
8. (a) What does balanced outlook on law emphasize upon? Define a law? -5M
(b) How law and ethics are related to each other? -5M
9. (a) Define the term standardization? What are the facilities provided by standards? -5M
(b) Tabulate types of standards and their purposes with examples? -5M
10. (a) What are the problems associated with the laws in engineering? -5M
(b) Enumerate the proper role of law in engineering? -5M

UNIT-IV [SAFETY, RESPONSIBILITIES AND RIGHTS]

1. (a) Define safety? Enumerate criteria for ensuring safe design? -5M
(b) Define risk? What are the factors influencing risk? -5M
2. (a) How to incorporate safety into the engineering design process? -5M
(b) How can the products be designed by the engineers to minimize the risk to the user? -5M
3. (a) Write the factors that influence the perception of risk? -5M
(b) What are the job related risks? -5M
4. (a) Brief about voluntary risk and controlled risk with examples? -5M
(b) Explain in detail the effect of why both low-risk and high-risk products are costly? -5M
5. (a) What is the role of engineers to safeguard the public from risk? -5M
(b) Brief about reducing risks? -5M
6. (a) What is meant by respect for authority? How institutional authority differs from expert authority? -5M
(b) What is meant by collective bargaining? Brief the process of collective bargaining? -5M
7. (a) Write minimum three arguments in favor and against unions? -5M
(b) What types of information should be kept confidential? -5M

8. (a) Define the terms confidentiality and confidential information? What are the external responsibilities of engineers? -5M
 (b) Explain the different types of conflicts of interest with suitable examples? -5M
9. Discuss in detail about terms related to confidential information? -10M
10. (a) What are occupational crimes? -5M
 (b) Define whistle blowing? What are the types of whistle blowing? -5M
11. (a) Write about justification of professional rights by ethical theories? -4M
 (b) Discuss briefly about the following
 (i) Patents (ii) Trade marks (iii) Copy rights -6M
12. (a) What are the benefits of Intellectual property rights? -5M
 (b) Define discrimination and preferential treatment? What are different kinds of preferential treatment? -5M

UNIT-V [GLOBAL ISSUES]

1. (a) Define MNC? What criteria for corporation to be called as MNC? -5M
 (b) What are the merits of MNC's doing their business in underdeveloped and developing countries? -5M
2. (a) Explain the meaning of environmental ethics. What are the various environmental concerns for engineers? -5M
 (b) What does professional codes of ethics say about the environment? -5M
3. (a) Write about Sentient-Centered ethics? -5M
 (b) Write about Human-Centered environmental ethics? -5M
4. (a) What is meant by computer ethics? Explain how the computers can be used as the instrument of unethical behavior? -5M
 (b) Write short notes on Hacking and Computer virus? -5M
5. What are the 'Ten commandments of computer ethics'? -10M
6. (a) Discuss an engineer's involvement in weapons work. Why do some engineers refuse to do war works? -5M
 (b) What are the defense industry problems? -5M
7. (a) Why do most of the engineers move into managerial roles? -5M
 (b) What are the two main responsibilities of engineer-managers? -5M
8. (a) Who are the consultants? Write short notes on consulting engineers and the areas they work ? -5M

- (b) What does deceptive advertisement mean? In what ways deceptive advertisements can be made? -5M
9. (a) What does forensic engineering mean? Explain the role of engineers as eye witness and expert witness? -5M
(b) Write short notes on Financial bias, ego bias and sympathy bias? -5M
10. (a) What is moral leadership? Who are moral leaders? -5M
(b) Discuss the role of moral leadership and their participation in engineering societies? -5M