

**SIDDARTHA INSTITUTE OF SCIENCE AND TECHNOLOGY:: PUTTUR  
(AUTONOMOUS)**

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**QUESTION BANK**

**Subject with Code: HUMAN VALUES & PROFESSIONAL ETHICS (20HS0858)**

**Course & Branch: B.Tech –MEC**

**Year & Sem: III/II**

**Regulation: R20**

**UNIT –I  
HUMAN VALUES**

1	(a) What do you mean by human values? Make a list of fundamental concept of human values.	[L1][CO1]	[6M]
	(b) Explain why the study of human values is essential to engineers. List a few important human values and sub-values.	[L2][CO1]	[6M]
2	(a) Define Morality and mention the features of moral values.	[L1][CO1]	[6M]
	(b) Define Ethics? How it is different from morals	[L1][CO1]	[6M]
3	(a) Explain the term virtue and integrity? What are the different accounts of integrity?	[L2][CO1]	[6M]
	(b) What is work ethic? Discuss briefly the various elements of it?	[L2][CO1]	[6M]
4	(a) What is service learning? Why is service learning important?	[L1][CO1]	[6M]
	(b) What are the important characteristics of service learning?	[L1][CO1]	[6M]
5	(a) What is meant by civic virtue? What are some salient features of courage?	[L2][CO1]	[6M]
	(b) How important is to value the time? Write the steps required to manage one's time?	[L1][CO1]	[6M]
6	(a) Write short notes on the following. (i) Respect for others (ii) Living peacefully (iii) Caring (iv) Sharing	[L1][CO1]	[6M]
	(b) Explain importance of following human values: (i) Honesty (ii) Courage (iii) Co-operation (iv) Commitment	[L1][CO1]	[6M]
7	(a) What is difference between empathy and sympathy?	[L1][CO1]	[6M]
	(b) What are benefits of empathy?	[L1][CO1]	[6M]
8	(a) Write short notes on the following human values: (i) Self- confidence (ii) character	[L1][CO1]	[6M]
	(b) Explain the concept of spirituality in work place?	[L2][CO1]	[6M]
9	Define the terms Yoga and Meditation? How the Yoga and Meditation can be benefitted for professional excellence?	[L1][CO1]	[12M]
10	(a) List some time wasters identified by Engineers?	[L1][CO1]	[6M]
	(b) What is meant by spirituality? How does it differ from religion?	[L1][CO1]	[6M]

**UNIT –II**  
**ENGINEERING ETHICS**

1	(a) Outline ethics. Describe any four disciplines of ethics?	[L2][CO2]	[6M]
	(b) What are the types of inquiries in engineering ethics? Explain with a suitable example	[L1][CO6]	[6M]
2	(a) Write short notes on 'senses or dimensions of engineering ethics.	[L2][CO2]	[6M]
	(b) Explain work ethics in detail.	[L1][CO2]	[6M]
3	(a) Write down the various approaches to engineering ethics?	[L1][CO6]	[6M]
	(b) Briefly explain the ethical issues arise in engineering?	[L2][CO6]	[6M]
4	(a) What are the various types of Characteristics in Engineering Ethics.	[L1][CO1]	[6M]
	(b) Elaborate the steps in confronting moral dilemmas?	[L2][CO2]	[6M]
5	(a) Write down the factors influencing the ethical concern?	[L1][CO2]	[6M]
	(b) What is meant by moral autonomy? What are the abilities needed to boost moral autonomy?	[L1][CO2]	[6M]
6	(a) Explain the various stages of moral development as given by Kohlberg.	[L1][CO2]	[6M]
	(b) List out various Drawbacks of Kohlberg's Theory.	[L1][CO2]	[6M]
7	(a) Justify Gilligan's theory of moral development?	[L1][CO2]	[6M]
	(b) What is consensus and controversy? Justify relationship between autonomy and authority with an example?	[L3][CO2]	[6M]
8	(a) Outline profession and professionalism?	[L2][CO2]	[6M]
	(b) Explain the skilled roles to be view by an engineer?	[L1][CO2]	[6M]
9	(a) Describe utilitarianism and two versions of utilitarianism?	[L2][CO2]	[6M]
	(b) List out various differences between duty ethics and right ethics.	[L1][CO2]	[6M]
10	(a) Mention the uses of ethical theories?	[L1][CO2]	[6M]
	(b) Write down the attributes of a profession?	[L1][CO2]	[6M]

**UNIT –III**  
**ENGINEERING AS EXPERIMENTATION**

1	(a) List out the difference between engineering experiments and standard experiments.	[L1][CO3]	[6M]
	(b) What do you understand by informed consent in the context of engineering as experimentation?	[L1][CO3]	[6M]
2	(a) What are the general responsibilities of engineers to society?	[L1][CO3]	[6M]
	(b) Explain about conscientiousness?	[L2][CO3]	[6M]
3	(a) What are the general features of morally responsible engineers?	[L1] [CO3]	[6M]
	(b) Brief about 'moral autonomy' and 'accountability' viewing engineering as social experimentation?	[L2] [CO3]	[6M]
4	(a) What are Codes of Ethics?	[L1][CO3]	[6M]
	(b) What are limitations of codes of ethics?	[L1][CO3]	[6M]
5	(a) What are the various roles and functions of codes of ethics?	[L1][CO3]	[12M]
6	(a) Write any five acknowledged engineering societies that have published codes of ethics?	[L1][CO3]	[6M]
	(b) List out various ways of promoting ethics by the engineering societies	[L1][CO3]	[6M]
7	(a) List out various merits and demerits of standardization.	[L1][CO3]	[6M]
	(b) What is the engineering responsibility regarding the law?	[L1][CO3]	[6M]
8	(a) Define a law? What does balanced outlook on law emphasize upon?	[L1][CO3]	[6M]
	(b) How law and ethics are related to each other?	[L2][CO3]	[6M]
9	(a) Define the term standardization? What are the facilities provided by standards?	[L1][CO3]	[6M]
	(b) Explain various types of standards and their purposes with examples.	[L3][CO3]	[6M]
10	(a) What are the problems associated with the laws in engineering?	[L1][CO3]	[6M]
	(b) Enumerate the correct role of law in engineering?	[L3][CO3]	[6M]

**UNIT –IV**  
**SAFETY, RESPONSIBILITIES AND RIGHTS**

1	(a) Outline safety? Enumerate criteria for ensuring safe design?	[L2][CO4]	[6M]
	(b) Define risk? What are the factors influencing risk?	[L2][CO4]	[6M]
2	(a) How to incorporate safety into the engineering design process?	[L2][CO4]	[6M]
	(b) List out the drawbacks of Lowrence initial version of safety.	[L3][CO4]	[6M]
3	(a) Write the factors that influence the perception of risk?	[L1][CO4]	[6M]
	(b) What are the job related risks?	[L1][CO4]	[6M]
4	(a) Briefly write about voluntary risk and controlled risk with examples?	[L1][CO4]	[6M]
	(b) Low-risk and high-risk products are costly? Justify.	[L4][CO4]	[6M]
5	(a) Define the term Risk and Safety. Explain about the relationship between risk and safety.	[L2][CO4]	[6 M]
	(b) List out various criterions required for the determination of risks.	[L1][CO4]	[6M]
6	(a) Differentiate between Institutional Authority and Power .	[L2][CO4]	[6M]
	(b) What is meant by collective bargaining? Brief the process of collective bargaining?	[L1][CO4]	[6M]
7	(a) Write minimum three arguments in favor and against unions?	[L1][CO4]	[6M]
	(b) What types of information should be kept confidential?	[L1][CO4]	[6M]
8	(a) Define the terms confidentiality and confidential information? What are the external responsibilities of engineers?	[L2][CO4]	[6M]
	(b) What is conflict of Interest? Explain the different types of conflicts of interest with suitable examples?	[L2][CO4]	[6M]
9	(a)What are occupational crimes?	[L1][CO4]	[6M]
	(b) Explain in brief about Professional and Employee rights.	[L2][CO4]	[6M]
10	(a) What are the benefits of Intellectual property rights?	[L2][CO4]	[6M]
	(b) Write in brief about the term discrimination.	[L1][CO4]	[6M]

**UNIT –V**  
**GLOBAL ISSUES**

<b>1</b>	(a) Define MNC? Discuss the merits and demerits of multinational companies.	[L2][CO5]	[6M]
	(b) List out the roles of MNCs while establishing a company in other countries.	[L1][CO5]	[6M]
<b>2</b>	(a) Write short notes on Technology Transfer from one company to other.	[L2][CO5]	[6M]
	(b) What is the need of an appropriate technology in an Industry. Explain its significance with an example.	[L1][CO5]	[6M]
<b>3</b>	(a) Explain the meaning of environmental ethics. What are the various environmental concerns for engineers?	[L1][CO5]	[6M]
	(b) Discuss about Human-Centered environmental ethics?	[L1][CO5]	[6M]
<b>4</b>	(a) What is meant by computer ethics? Explain the different types of problems found in computer ethics.	[L1][CO5]	[6M]
	(b) List out the property issues and ethical problems concerned with the computers.	[L1][CO5]	[6M]
<b>5</b>	(a) Discuss the issues concerned with the right to privacy while using the computers.	[L2][CO5]	[6M]
	(b) Discuss an engineer's involvement in weapons work. Why do some engineers refuse to do war works?	[L2][CO5]	[6M]
<b>6</b>	(a) What are the three main responsibilities of engineers as managers?	[L2][CO5]	[6M]
	(b) List out various conflicts faced by Managers and also Enlist the principles used by the managers to resolve them?	[L1][CO5]	[6M]
<b>7</b>	(a) Who are the consultants? List out the areas where the consultants works.	[L1][CO5]	[6M]
	(b) Explain the functions of eye witness and expert witness.	[L1][CO5]	[6M]
<b>8</b>	(a) Explain the duties of engineers as expert witnesses?	[L1][CO5]	[6M]
	(b) Explain the role of engineers as advisors in planning and policy making.	[L1][CO5]	[6M]
<b>9</b>	(a) What is moral leadership? Why is it essentially required for the engineers?	[L1][CO5]	[6M]
	(b) How does the code of ethics promote and sustain the ethical environment and assist in achieving the ethical goals?	[L2][CO5]	[6M]
<b>10</b>	(a) Discuss about the role of codes of ethics by the Institute of Electrical & Electronics Engineers.	[L1][CO5]	[6M]
	(b) List out the advantages, disadvantages and benefits of CSR.	[L2][CO5]	[6M]