R20

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
Siddharth Nagar, Narayanavanam Road – 517583

QUESTION BANK

Subject with Code: HUMAN VALUES & PROFESSIONAL ETHICS (20HS0864)

Course & Branch: B.Tech – CE, CSE   **Year & Sem:**   II/I   **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) Describe the importance of studying human values & its essential to engineers.	[L2][CO1]	**[6M]**
2	(a) Define Morality and mention the features of moral values.	[L1][CO1]	**[6M]**
	(b) Write a short note on Ethics. How it is related to other relations?	[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.	[L1][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) How important is to value the time? Write the steps required to manage one's time?	[L2][CO1]	**[6M]**
	(b) What is meant by civic virtue? What are the salient features of courage?	[L1][CO1]	**[6M]**
6	Explain the importance of following human values: (i) Caring (ii) Sharing (iii) Co-operation (iv) Commitment	[L2][CO1]	**[12M]**
7	(a) What is meant by empathy? 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? Discuss their role in stress management?	[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]**

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UNIT –II
ENGINEERING ETHICS

1	(a) Outline ethics. Describe any four disciplines of ethics?	[L2][CO2]	**[6M]**
	(b) Why is it necessary for engineering students to study engineering ethics?	[L1][CO6]	**[6M]**
2	(a) Write short notes on 'senses or dimensions of engineering ethics.	[L1][CO2]	**[6M]**
	(b) What are the various varieties of moral issues?	[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 inquiries? Explain with appropriate example.	[L1][CO1]	**[6M]**
	(b) Elaborate the steps in confronting moral dilemmas.	[L2][CO2]	**[6M]**
5	(a) Write down the factors influencing 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	Write a note on Kohlberg's theory and Gilligan's theory of moral development.	[L1][CO2]	**[12M]**
7	(a) Write a note on consensus and controversy	[L1][CO2]	**[4M]**
	(b) Justify relationship between autonomy and authority with an example	[L3][CO2]	**[8M]**
8	(a) Explain the skilled roles to be view by an engineer?	[L2][CO2]	**[6M]**
	(b) Write a short note on "self-interest".	[L1][CO2]	**[6M]**
9	(a) Describe utilitarianism and two versions of utilitarianism?	[L2][CO2]	**[6M]**
	(b) What are the similarities between duty ethics and right ethics?	[L1][CO2]	**[6M]**
10	(a) Write a short note on customs & religion	[L1][CO2]	**[6M]**
	(b) What are the uses of ethical theories?	[L1][CO2]	**[6M]**

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UNIT –III
ENGINEERING AS EXPERIMENTATION

1	(a) What are the similarities between engineering experiments and standard experiments?	[L1][CO3]	**[4M]**
	(b) What do you understand by informed consent in the context of engineering as experimentation?	[L1][CO3]	**[8M]**
2	(a) What are the general responsibilities of engineers to society?	[L1][CO3]	**[6M]**
	(b) Justify concerning conscientiousness?	[L2][CO3]	**[6M]**
3	(a) What are the general features of morally responsible engineers?	[L1][CO3]	**[6M]**
	(b) What are the requirements for engineers to act as responsible engineers within the context of engineering as social experimentation?	[L1][CO3]	**[6M]**
4	(a) Briefly explain about 'moral autonomy' and 'accountability' viewing engineering as social experimentation?	[L2][CO3]	**[6M]**
	(b) What are Codes of Ethics?	[L1][CO3]	**[6M]**
5	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) What are limitations of codes of ethics?	[L1][CO3]	**[6M]**
7	(a) Write any five ways in which of promoting ethics by the engineering societies?	[L1][CO3]	**[6M]**
	(b) What are the objections of codes of ethics?	[L1][CO3]	**[6M]**
8	(a) What does balanced outlook on law emphasize upon? Define a law?	[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) Tabulate varieties 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]**

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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?	[L1][CO4]	**[6M]**
2	(a) How to incorporate safety into the engineering design process?	[L2][CO4]	**[6M]**
	(b) How can the products be designed by the engineers to reduce the risk to the user?	[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) Explain in detail about the effect of why both low-risk and high-risk products are costly?	[L2][CO4]	**[6M]**
5	Define the term Risk and Safety. How we as an Engineer assess the safety?	[L1][CO4]	**[12M]**
6	(a) What is meant by respect for authority? How institutional authority differs from expert authority?	[L1][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?	[L1][CO4]	**[6M]**
	(b) Explain the different types of conflicts of interest with suitable examples?	[L2][CO4]	**[6M]**
9	(a)What are occupational crimes?	[L1][CO4]	**[6M]**
	(b) Define whistle blowing? What are the categories of whistle blowing?	[L2][CO4]	**[6M]**
10	(a) Discuss briefly about the following (i) Patents (ii) Trade marks (iii) Copy rights	[L2][CO4]	**[6M]**
	(b) Define discrimination and preferential treatment? What are different kinds of preferential treatment?	[L2][CO4]	**[6M]**

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UNIT –V
GLOBAL ISSUES

1	(a) Define MNC? What criteria for corporation to be called as MNC?	[L2][CO5]	**[6M]**
	(b) What are the merits of MNC's doing their business in underdeveloped and developing countries?	[L1][CO5]	**[6M]**
2	(a) Explain the meaning of environmental ethics. What are the various environmental concerns for engineers?	[L2][CO5]	**[6M]**
	(b) What does professional codes of ethics say about the environment?	[L1][CO5]	**[6M]**
3	(a) Write about Sentient-Centered ethics and IEEE code of Ethics?	[L1][CO5]	**[6M]**
	(b) Write about Human-Centered environmental ethics?	[L1][CO5]	**[6M]**
4	(a) What is meant by computer ethics? Explain how the computers can be used as the instrument of unethical behavior?	[L1][CO5]	**[6M]**
	(b) Write short notes on Hacking and Computer virus?	[L1][CO5]	**[6M]**
5	What are the 'Ten commandments of computer ethics'?	[L1][CO5]	**[12M]**
6	(a) Discuss an engineer's involvement in weapons work. Why do some engineers refuse to do war works?	[L2][CO5]	**[6M]**
	(b) What are the defense industry problems?	[L1][CO5]	**[6M]**
7	(a) Why do most of the engineers move into managerial roles?	[L1][CO5]	**[6M]**
	(b) What are the two main responsibilities of engineer-managers?	[L1][CO5]	**[6M]**
8	(a) Who are the consultants? Write short notes on consulting engineers and the areas they work?	[L1][CO5]	**[6M]**
	(b) What will deceptive advertisement mean? In what ways deceptive advertisements can be made?	[L1][CO5]	**[6M]**
9	(a) What does forensic engineering mean? Explain the role of engineers as eye witness and expert witness?	[L1][CO5]	**[6M]**
	(b) Write short notes on financial bias, ego bias and sympathy bias?	[L1][CO5]	**[6M]**
10	(a) What is moral leadership? Who are moral leaders?	[L1][CO5]	**[6M]**
	(b) Discuss the role of moral leadership and their participation in engineering societies?	[L2][CO5]	**[6M]**