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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)

B.Tech IV Year I Semester Regular & Supplementary Examinations Feb-2021
HUMAN VALUES AND PROFESSIONAL ETHICS
(Civil Engineering)

Time: 3 hours

Max. Marks: 60

(Answer all Five Units 5 x 12 = 60 Marks)

UNIT-I

- 1 a What is service learning? Why is service learning important? 8M
b What are the important characteristics of service learning? 4M

OR

- 2 a List some time wasters identified by Engineers? 6M
b What is meant by spirituality? How does it differ from religion? 6M

UNIT-II

- 3 a Explain the various stages of moral development as given by Kohlberg. 6M
b What was the base for Kohlberg and Gilligan theories of moral development? Also write drawbacks of Kohlberg's theory. 6M

OR

- 4 a What are the different approaches to engineering ethics? 7M
b Where and how do moral problems arise in engineering? 5M

UNIT-III

- 5 a Write any five ways of promoting ethics by the engineering societies. 6M
b What are the objections of codes of ethics? 6M

OR

- 6 a What are the problems associated with the laws in engineering? 5M
b Enumerate the proper role of law in engineering. 7M

UNIT-IV

- 7 a What are the benefits of Intellectual property rights? 6M
b Define discrimination and preferential treatment? What are different kinds of preferential treatment? 6M

OR

- 8 a How to incorporate safety into the engineering design process? 6M
b How can the products be designed by the engineers to minimize the risk to the user? 6M

UNIT-V

- 9 a Why do most of the engineers move into managerial roles? 6M
b What are the two main responsibilities of engineer-managers? 6M

OR

- 10 a What is moral leadership? Who are moral leaders? 6M
b Discuss the role of moral leadership and their participation in engineering societies. 6M

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