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B.E./B.Tech (Full Time) DEGREE END SEMESTER EXAMINATIONS, APRIL/MAY 2011

AGRICULTURAL AND IRRIGATION ENGINEERING BRANCH

EIGHTH SEMESTER

GE 318 – PROFESSIONAL ETHICS IN ENGINEERING

(REGULATION 2004)

Time : 3 hr

Max Mark : 100

Instructions: 1. In part – B, question no. 11 is compulsory.

Answer All Questions

Part – A (10x2=20 Marks)

1. What is Engineering ethics?
2. What do you mean by Professionalism?
3. List down the types of inquiry.
4. Write short note on "Moral Dilemma"
5. Define Moral autonomy?
6. Write short note on safety issues.
7. What is meant by 'codes of ethics'?
8. What are the different roles of codes?
9. Briefly explain whistle blowing
10. Write short note on the two senses of loyalty.

Part – B (5x16=80 Marks)

11. 'The operators decided to turn the high-pressure injection pumps back again' why? and where it all happened? 16
- 12 a. What do Babylon's Building Code and the U.S Steamboat Code prescribe? 16
or
b. How moral autonomy helps in deciding the action? How do you relate it with Kohlberg's theory.

- 13 a. Discuss microcosm and macroscopic view and explain where and how do moral problems arise in engineering? with examples for each case. 16
- or
- b. Explain how one should practice golden mean with the acquired virtues?
14. a. Explain the various steps in confronting moral dilemmas 16
- or
- b. If an engineer has been unjustly discharged is it wise to follow the doctrine of an eye for an eye and a tooth for a tooth? Analyse the question with reference to confidentiality.
15. a. Substantiate: Company policy forbids using of company's property for personal use for instance Phone calls, faxing or bootlegging etc. Is the personal use of company's materials in any of these instance morally permissible or does respect for employer's authorities imply obtaining permission first? Explain the nature of authority? 16
- or
- b.i) Should whistle blowing be viewed as an act of heroism that goes far beyond the call of duty? What procedures ought to be followed in blowing the whistle? 8
- (ii) Explain any global issue of your choice and analyse it in the light of Ethical violation. 8

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