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

GEO INFORMATICS ENGINEERING

SIXTH SEMESTER

40

GE 9021- PROFESSIONAL ETHICS IN ENGINEERING
(REGULATIONS 2008)

Time: 3hrs

Max Marks: 100

Answer ALL Questions
Part - A (10 x 2 = 20 Marks)

1. What model role seems attractive to you as a Professional Engineers? Why?
2. Describe and relate the philosophy of Golden mean to one's normal activity as emerging Engineer.
3. How do you defend the importance of right information for a research problem as a concern of the Engineer?
4. How do standards, regulation and law differ in their effect on engineering practice?
5. Enlist the positive impact of codes of ethics in Professional Societies.
6. Describe "collegiality" and mutual respect using a situation.
7. "Moral autonomy and Acceptability within group" - Do they co exist?
8. What are the two senses of loyalty?
9. Present importance legal framework remedies made available after Vellore Tannery Case?
10. Make an account on the effect of data bank error quoting a case study.

Part - B (5 x 16 = 80)

11. Elaborate on the 'Engineers Moral rights in the various sphere of personality, profession and society', including those arise out of professional obligations.
12. a. Explain the ethical question posed, answered and unanswered in the Bhopal case tragedy. Also explain the issues related to involvement of multiple nations in this case. Outline the culmination of the trial on the India legal framework.
(Or)
b.i) Draw an analogy of moral misbehaviour in the class room and business environment, presenting your view on institutionalizing remedies. (6)
ii) How do you describe moral dilemma and moral autonomy and what do you think is the best way to confront and accomplish respectively? (10)
- 13.a. What are the virtues that are of importance for Engineers as responsible experimenters? Reflect your views of the below.
i) Cloning of Human. ii) Genetically Modified Crops
(Or)
b. "Invoking codes of ethics for Engineers well in advance might have saved many engineering Disasters" – impress upon with any two case studies.
- 14.a. Make a debate on the use of Nuclear power, report on concerns expressed / the international measures taken in this direction in recent times.
(Or)
b. Discuss the values that vouch for responsibility of an Engineer to the employer?
15. a. Make a discussion on the impact of computer in society. Does this invasion add problems? What are the issues in computer ethics that need attention?

(Or)

b. Outline the professional and ethical premises an engineer has to hold and face as manager, consultant or an expert.
