

Roll No:

B.E (Full Time) DEGREE END SEMESTER EXAMINATIONS, Nov/Dec2011

Geoinformatics Engineering

Sixth Semester

GE9021 PROFESSIONAL ETHICS IN ENGINEERING

(Regulations 2008)

Duration: Three hours

Max. Marks: 100

Answer ALL questions:

PART A (10 x 2 = 20 marks)

1. Compare ethics and moral.
2. List the uses of ethical theories.
3. What are the roles of industrial standards?
4. How engineering experiments are different from standard experiments?
5. Compare voluntary risk with involuntary risk with an example.
6. List the different uncertainties in design.
7. What is meant by misguided loyalty?
8. List steps to avoid discrimination in any organization.
9. How engineers can play a role as an advisor in any organization?
10. Define code of conduct.

Part-B (5 x 16 = 80)

11. (i) Explain the role of engineers as responsible experimenters. 10
(ii) Elaborate the different ethical issues in challenger space shuttle disaster. 6
 12. a. (i). Explain different types of inquiries with suitable example. 6
(ii). Describe the steps in confronting a moral dilemma in the organization with an example. 10
- OR
- b. (i) How consensus decision making is achieved during any controversies. 8
(ii). Elaborate different virtue theories. 8
13. a. (i). Discuss the different safety violations in Chernobyl disaster and justify the need for ethical solutions for avoiding such incidents. 10
(ii). How Government perceive risk? 6

OR

- b. (i) Describe any one risk benefit analysis with a suitable example. 10
(ii) List the ethical violations in Bhopal tragedy. 6

14. a. (i) Explain the factors associated with collective bargaining. 10
(ii) Discuss occupational crime. 6

OR

- b. (i). Describe the different moral issues related to conflict of interest. 10
(ii). Discuss the role of intellectual property right and highlight the need for it. 6

15. a. (i). Explain technology transfer and appropriate technology in detail. 10
(ii) Discuss the qualities of moral leadership. 6

OR

- b. (i). Engineers as eyewitnesses and consultants – Explain. 10
(ii). Engineers in weapon development- Ethical or Unethical – Justify. 6