Reg. No. : ☐☐☐☐☐☐☐☐☐☐☐☐

Question Paper Code : 41261

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2013.

Eighth Semester

Aeronautical Engineering

GE 1301 – PROFESSIONAL ETHICS AND HUMAN VALUES

(Common to Automobile Engineering, Biomedical Engineering, Computer Science and Engineering, Marine Engineering, Mechanical Engineering, Production Engineering, Seventh Semester - Electronics and Communication Engineering, Electrical and Electronics Engineering, Sixth Semester – Chemical Engineering and Fifth Semester – Textile Technology)

(Regulation 2008)

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1.   Define morals and ethics.

2.   What do you understand by work ethics?

3.   State Gilligan's theory.

4.   Give the different uses of ethical theories.

5.   What are the functions of code of ethics?

6.   Discuss the pertinent elements which an engineer should have to be a responsible experimenter.

7.   Discuss some of the possible way we can reduce risk.

8.   "Safety in a product comes with a price" – Explain.

9.   What is meant by 'Globalization'?

10. Give two major environmental ethics that need to be followed.

PART B — (5 × 16 = 80 marks)

11. (a) Write short notes on:

     (i)   Integrity among organizations.

     (ii) Spirituality in work.   (8+8)

Or

     (b) With examples, illustrate the importance of character and Self-confidence
          related to work environment.   (8+8).

12. (a) What is virtue ethics? Explain the virtue and the golden mean of
          Aristotle.   (16)

Or

     (b) Discuss the theories pertaining to 'Moral Autonomy' with specific
          reference to consensus and controversy.   (16)

13. (a) Compare and contrast Engineering Experiments with standard
          experiments.   (16)

Or

     (b) Explain with some examples that engineers would learn not only from
          their earlier design and operation results, but also from those of other
          engineers.   (16)

14. (a) Discuss in detail testing strategies for safety. What are the faulty
          assumptions about safety?   (16)

Or

     (b) What are the procedures to be followed for 'whistle blowing'? How can
          this be avoided?   (16)

15. (a) What are the philosophical views of nature? Discuss ecocentric ethics in
          work practices.   (16)
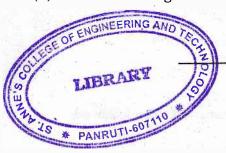
Or

     (b) (i)   Explain computer ethics.   (8)

          (ii) Discuss an engineer's involvement in weapons work.   (8)

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