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Code No: BA1501

GEC-R14

II B. Tech II Semester Supplementary Examinations, January 2017

**PROFESSIONAL ETHICS AND PATENTS**

(Common to Electrical and Electronics Engineering, Mechanical Engineering and Electronics and Communication Engineering)

Time: 3 Hours

Max. Marks: 50

**Note:** Answer **all** the questions from **PART-A**.

Answer any **four** questions from **PART-B**.

**PART-A**

**5 × 2 = 10M**

1. Define Ethics.
2. Define Voluntary Risk.
3. What are the characteristics of Civic Virtue?
4. Define Trademark. Give an example.
5. Write a short note on E-Commerce.

**PART-B**

**4 × 10 = 40M**

1. a) Differentiate between empathy and sympathy. How to develop both of the virtues? (4M)  
b) Does character helps in boosting self-confidence? Justify your answer. (6M)
2. a) Explain in detail the professional responsibilities of an engineer? (4M)  
b) Explain the types of Inquiry. Analyze each of the Inquiries with valid examples. (6M)
3. a) Define Risk? What are the types of risk that an engineer encounters? (4M)  
b) Broadly define the steps for Risk Benefit Analysis with valid illustrations. (6M)
4. a) Explain the techniques for achieving Collegiality. (4M)  
b) Does Self-interest generate Conflict of Interest? Justify your answer. (6M)
5. a) Define Double Patenting with valid illustrations. (4M)  
b) Explain the various cases which cause Dilution of Ownership. (6M)
6. a) Explain about the various forms of Cyber Crime. (4M)  
b) Give an outline of real cases regarding Online Crime and their proceedings. (6M)

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