

(Following Paper ID and Roll No. to be filled in your Answer Books)

Paper ID : 2289547

Roll No.

B.TECH.

Regular Theory Examination (Odd Sem-VII), 2016-17

BIOETHICS, BIOSAFETY, IPR & PATENTS

Time : 3 Hours

Max. Marks : 100

SECTION - A

1. **Attempt all sections. All sections carries equal marks.** (10×2=20)

- What do you mean by copyright?
- What are biosafety levels?
- What is intellectual property?
- Write difference between patent and copyright.
- What do you mean by design.
- What is state biosafety coordination committee?

- What do you mean by GATT.
- Write approaches of bioethics.
- How the biological waste can be managed?
- Write bioethical issues in gene therapy.

SECTION - B

2. **Attempt any 3 questions from this section.**(3×10=30)

- Give the economic importance of IPR.
- What are the objectives and salient features of Cartagena protocol?
- Define infringement. How can Patent be infringed?
- Explain Biopiracy and Bioprospecting with appropriate case study.
- Write objective and salient features of the food safety and standards Bill 2005.

SECTION - C

3. **Attempt all questions from this section** (5×10=50)

- Explain national environment policy 2006.
- Explain the objectives of guidelines for the recombinant DNA technology and discuss the role of regulations in the development of biotechnology industry

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- c) Write procedure for granting a patent. How are the Indian Patent laws differing from US patent laws?
 - d) Describe Current Issues of Patents for higher animal and higher plants.
 - e) Explain about hazardous materials used in biotechnology? Discuss their handling and disposal also.
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