

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

Paper ID : 2289547

Roll No. 1 3 1 4 3 5 4 0 0 5

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)

- a) What do you mean by copyright?
- b) What are biosafety levels?
- c) What is intellectual property?
- d) Write difference between patent and copyright.
- e) What do you mean by design.
- f) What is state biosafety coordination committee?

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

SECTION - B

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

- a) Give the economic importance of IPR.
- b) What are the objectives and salient features of Cartagena protocol?
- c) Define infringement. How can Patent be infringed?
- d) Explain Biopiracy and Bioprospecting with appropriate case study.
- e) 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)

- a) Explain national environment policy 2006.
- b) 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.