

**B.TECH**  
**(SEM-VII) THEORY EXAMINATION 2017-18**  
**BIOETHICS, BIOSAFETY & IPR**

Time: 3 Hours

Note: 1. Attempt all Sections. If require any missing data; then choose suitably. Total Marks: 100

**SECTION-A**

1. Attempt all questions in brief?

- Define IPR?
- Define Trademark?
- Write down the basic explanation of Indian patent act 1970?
- Define Biosafety?
- Give the basic explanation of GMOs?
- What do you mean by GLP?
- Define Human Genome project in Bioethics?
- Define Biopiracy?
- Write down short notes on Indian patent law?
- Write down the full form of GATT, RDAC.

10 x 2 = 20

**SECTION-B**

2. Attempt any *three* parts of the following:

10 x 3 = 30

- Explain Advanced Information Agreement (AIA) in brief?
- Explain the history and evolution of IPR?
- What are the rules for national environmental policy (2006), Explain in brief?
- Explain plant and animal grower's rights patents trade secrets, and plant genetic recourses GATT and TRIPS?
- Differentiate between US patent and Indian Patent.

**SECTION-C**

3. Attempt any one parts of the following:

10 x 1 = 10

- Explain the regulation of import of GM products under foreign trade policy (2006-2007)?
- What is the Cartagena Protocol? Write down its objectives and salient features?

4. Attempt any one parts of the following:

10 x 1 = 10

- Distinction among various forms of IPR in details?
- What are the hazardous materials used in biotechnology, explain in brief?

10x 1 = 10

5. Attempt any one parts of the following:

- What do you mean by Recombinant DNA guidelines?
- What is the economic importance of IPR?

10 x 1 = 10

6. Attempt any one part of the following:

- Explain the guidelines for research in transgenic plants?
- Explain Plant and animal grower's rights patents trade secrets in details?

10 x 1 = 10

7. Attempt any one part of the following:

- Explain human genome project and its ethical issues in brief?
- Explain the legal and socioeconomic impacts of biotechnology?