

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

SECTION-B

2. Attempt any *three* parts of the following: **10 x 3 = 30**
 - a. Explain Advanced Information Agreement (AIA) in brief?
 - b. Explain the history and evolution of IPR?
 - c. What are the rules for national environmental policy (2006), Explain in brief?
 - d. Explain plant and animal grower's rights patents trade secrets, and plant genetic recourses GATT and TRIPS?
 - e. Differentiate between US patent and Indian Patent.

SECTION-C

3. Attempt any *one* parts of the following: **10 x 1 = 10**
 - a. Explain the regulation of import of GM products under foreign trade policy (2006-2007)?
 - b. What is the Cartagena Protocol? Write down its objectives and salient features?
4. Attempt any *one* parts of the following: **10 x 1 = 10**
 - a. Distinction among various forms of IPR in details?
 - b. What are the hazardous materials used in biotechnology, explain in brief?
5. Attempt any *one* parts of the following: **10 x 1 = 10**
 - a. What do you mean by Recombinant DNA guidelines?
 - b. What is the economic importance of IPR?
6. Attempt any *one* part of the following: **10 x 1 = 10**
 - a. Explain the guidelines for research in transgenic plants?
 - b. Explain Plant and animal grower's rights patents trade secrets in details?
7. Attempt any *one* part of the following: **10 x 1 = 10**
 - a. Explain human genome project and its ethical issues in brief?
 - b. Explain the legal and socioeconomic impacts of biotechnology?