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Total No. of Pages : 01

Total No. of Questions : 08

M.Tech. (Bio Tech)EL-II (2018 Batch) (Sem.-1)
INTELLECTUAL PROPERTY RIGHTS, BIOETHICS AND
BIOSAFETY

Subject Code : MTBT-110-18

Paper ID : [75770]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :**1.Attempt any FIVE questions out of EIGHT questions.****2.Each question carries TWELVE marks.**

1. What do you mean by IPRs? Describe different types of IPRs available under various legislations in India for protection of intellectual property. (12)
2. Write detailed note on following : (6 × 2)
 - a) Copyrights and its scope.
 - b) Geographical indications and their objectives
3. Define term 'patent'. Describe the criteria for grant of patents related to biotechnology inventions in India. (12)
4. Write a detailed note on minimum standards laid down under TRIPs agreement for different types of IP Protection in member countries. (12)
5. Why biosafety is an important issue in transgenic research? Explain various biosafety guidelines at national level for research involving DNA molecules. (12)
6. Write detailed note on following : (6 × 2)
 - a) Non-patentable inventions in India.
 - b) Scope for protection of new plant varieties in India.
7. Write detailed note on following : (6 × 2)
 - a) Ethical issues in biotechnology research.
 - b) Socioeconomic impact of biotechnology products.
8. Differentiate the following with examples : (4 × 3)
 - a) Product patent and process patent.
 - b) Tangible and intangible property.
 - c) Discovery and invention.