

Roll No.

--	--	--	--	--	--	--	--	--	--

Total No. of Pages : 02

Total No. of Questions : 08

M.Tech.(Bio. Tech.) (Sem.-2)
INTELLECTUAL PROPERTY RIGHTS, BIOETHICS
AND BIOSAFETY

Subject Code : MTBT-112

M.Code : 23011

Time : 3 Hrs.

Max. Marks : 100

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries TWENTY marks.

1.
 - a. Give a brief account of evolution of patent laws in India.
 - b. Discuss the various creations of humans that can be protected under copyrights and the terms under which they are protected.
2.
 - a. What do you understand by Rights of Traditional knowledge? How is traditional knowledge protected?
 - b. Discuss the main features of TRIPs agreement.
3.
 - a. What are the basic requirements of patentability? Under Indian Patent laws what are patentable subject matter and what are non- patentable subject matter.
 - b. Discuss the copyright protection. What are related rights?
4.
 - a. Give the difference between :
 - i. Discovery vs. Invention
 - ii. Product patent vs. Process patent
 - b. What is revocation of patent? Explain with the examples of Turmeric and Neem controversy.





5.
 - a. Describe the procedure of filing patent under Indian patent law.
 - b. What is Geographical indication? How things under this IPR protected and what are its advantages? Give examples.
6.
 - a. Discuss the basic requirements of biosafety in relation to human health.
 - b. Discuss the various biosafety guidelines related to transgenic research in India.
7.
 - a. Discuss the various biosafety levels to be followed while working in the microbial and biomedical laboratories.
 - b. Mention the various guidelines related to research in involving DNA molecules.
8.
 - a. Discuss the legal and socioeconomic impact of biotechnology products and techniques.
 - b. Define Bioethics. Discuss the ethical issues and ethical conflicts in health care.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

