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Total No. of Pages : 01

Total No. of Questions : 08

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

Subject Code : MTBT-112

Paper ID : [E0917]

Time : 3 Hrs.

Max. Marks : 100

INSTRUCTION TO CANDIDATES :

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

- Q1 a) Explain Intellectual Property
- b) Why is it essential to protect Intellectual Property?
- c) Briefly discuss the items/ things which are non-patentable.
- d) Briefly explain the role and importance of Geographical indicators.
- Q2 a) What do you understand by the term “*Design*” as per the Design Act 2000?
- b) Define “*Copyrights*”. What are the items covered under the Indian Copyright Act?
- Q3 Discuss with GATT and TRIPS agreement.
- Q4 Write in detail about the biosafety guidelines and regulation of government of India.
- Q5 Write a note on genetic engineering and biowarfare. Explain the Cartagena Protocol for Biosafety.
- Q6 Explain the ethical, socioeconomic and legal status of Gene therapy.
- Q7 Discuss the potential effect of transgenic plants on environment and human health.
- Q8 a) What are the ethical issues involved in Stem cell research?
- b) Discuss the case of patent generated on turmeric by USA. Under what circumstances was it revoked?