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Total No. of Pages : 02

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M.Tech. (Bio Tech)EL-II (2018 Batch) (Sem.-1)

**INTELLECTUAL PROPERTY RIGHTS, BIOETHICS AND  
BIOSAFETY**

Subject Code : MTBT-110-18

M.Code : 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.

- Q1. Discuss in detail the origin and development of Patent system in India from pre independence to post independence regime. 12
- Q2. a. Discuss the copyrights, its advantages and disadvantages with examples. Does software program of computers falls under copyright? 6
- b. What is the importance of trademarks as IPR? Can biotechnology field be covered under Trademark? 6
- Q3. a. Discuss the role of WIPO in IPRs. 6
- b. Under which IPR Plant varieties are protected Nationally and internationally? Discuss their benefits and drawbacks. 6
- Q4. a. Discuss the basic criterion for patentability. What is non-obviousness? 6
- b. What is infringement of patent? What steps are taken if there is an infringement of patent? 6
- Q5. a. With the help of flow diagram describe the process of patent filing. 6
- b. Write notes on :
- i. Compulsory licensing 3
- ii. Exclusive marketing rights 3





- Q6. a. Define Biosafety. Why is biosafety required and its importance in relation to human health? 6
- b. What are the various Biosafety levels in microbial labs and mention their importance? 6
- Q7. Discuss the various regulatory bodies and laws which govern the research involving DNA molecule at National level. 12
- Q8. a. Discuss the difference between Biopiracy and Bioethics. 6
- b. Discuss the ethical issues in healthcare. 6

**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.**

