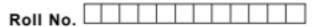


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Total No. of Pages : 02

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

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 independence to post independence regime.	pre 12
Q2.	a. Discuss the copyrights, its advantages and disadvantages with examples. Does sof program of computers falls under copyright?	tware 6
	b. What is the importance of trademarks as IPR? Can biotechnology field be covered Trademark?	under 6
Q3.	a. Discuss the role of WIPO in IPRs.	6
	b. Under which IPR Plant varieties are protected Nationally and internationally? Di their benefits and drawbacks.	scuss 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 patent?	nt of 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
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 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.

 Q8. a. Discuss the difference between Biopiracy and Bioethics.
 6

Q6. a. Define Biosafety. Why is biosafety required and its importance in relation to human

b. Discuss the ethical issues in healthcare.

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.

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