

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI  
(END SEMESTER EXAMINATION)**

**CLASS: M.TECH  
BRANCH: BIOTECH**

**SEMESTER: II  
SESSION: SP/2025**

**SUBJECT: BE601 IPR, BIOSAFETY & BIOETHICS**

**TIME: 3 Hours**

**FULL MARKS: 50**

**INSTRUCTIONS:**

1. The question paper contains 5 questions each of 10 marks and total 50 marks.
  2. Attempt all questions.
  3. The missing data, if any, may be assumed suitably.
  4. Before attempting the question paper, be sure that you have got the correct question paper.
  5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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		CO	BL
Q.1(a)	What do you understand by IPR? What are the various governing laws in India for IPR?	[5] 1	1
Q.1(b)	Explain the statement and reasons of Indian patent law 1070.	[5] 1	2
Q.2(a)	What can not be Patented under the Act 1970 ? Discuss.	[5] 1	1
Q.2(b)	Investigate the eligibility criterion for filing the patent application.	[5] 2	5
Q.3(a)	Evaluate various types of licenses? Differentiate between licenses and assignment	[5] 3	5
Q.3(b)	Select and explain the grounds on which the patent application may be opposed.	[5] 2	3
Q.4(a)	Describe various organization that work in harmony to create a biosafe environment.	[5] 3	2
Q.4(b)	Examine the various aspect of assessment and evaluation on GMO to ascertain biosafety.	[5] 3	4
Q.5(a)	discuss the role of various bioethical committees in solving the debate on bioethics.	[5] 4	2
Q.5(b)	Evaluate types of bioweapons? Discuss the concern in the use of biotechnology for warfare.	[5] 4	5

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