

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

**CLASS: MSc
BRANCH: BIOTECH**

**SEMESTER: IIIrd
SESSION: MO/2024**

SUBJECT: BT503 BIOSAFETY, BIOETHICS AND IPR

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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Q.1(a)	What do you understand by IPR? What are the various governing laws in India for IPR?	[5] 1	2
Q.1(b)	Differentiate the Indian Patent Act 1970 from its latest amendments.	[5] 1	4
Q.2(a)	Identify and explain non-patentable inventions.	[5] 2	3
Q.2(b)	Investigate the eligibility criterion for filing the patent application.	[5] 2	5
Q.3(a)	What is infringement? Explain different types of infringement.	[5] 1	2
Q.3(b)	Distinguish between rights and duties of patentee.	[5] 2	4
Q.4(a)	Describe in detail the practices followed in all the four biosafety levels.	[5] 1	2
Q.4(b)	Examine the various aspect of assessment and evaluation on GMO to ascertain biosafety.	[5] 3	4
Q.5(a)	What is bioethics? Discuss its scope and approaches	[5] 3	3
Q.5(b)	Evaluate types of bioweapons? Discuss the concern in the use of biotechnology for warfare.	[5] 4	5

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