

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -3 EXAMINATION- 2024

M.Sc.- 3<sup>rd</sup> Semester (Micro )

COURSE CODE(CREDITS): 21MS2MB311 (3)

MAX. MARKS: 35

COURSE NAME: IPR Bioethics& Biosafety

COURSE INSTRUCTORS: Dr Hemant Sood

MAX. TIME: 2Hrs.

*Note: (a) All questions are compulsory.*

*(b) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems*

Q.No	Question	Marks
Q1	Which precautionary approach would be utilized for the safe handling, transfer, and use of LMOs? How are the International and National regulatory bodies taking care of it? Do you think proper knowledge about bioethical tools and Biosafety containments would be beneficial for the safe usage of it? Explain with an example	7
Q2	How entrepreneurship venture is developed for the commercialization of biotechnological products? Explain the commercializing model and role of all contributing factors for the development of a strong enterprise by involving IPR for value addition?	7
Q3	Genetically modified <i>Pseudomonas</i> was developed in the Microbiology lab of JUIT for treating oil spills in water resources. Which ethical model would be required to assess its biosafety? How you can carry out its IP protection in India? Which International Treaty facilitate for the same and how?	7
Q4	Why do we need to include bioethics and biosafety parameters for microbiological patents? Why regulatory statutes were developed for the safe release into the market and the masses? Which Biosafety levels are highly considered and how biocontainments is carried out with the same?	7
Q5	Do you agree with the pursuits of CBD for conserving biological resources for commercializing their bioproducts? What are the actions taken in the convention for bioprospecting of biological resources for keeping TRIPS and CBD at the common platform?.	7