JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATION- 2023

M.Sc.- 3rd Semester (Microbiology)

COURSE CODE(CREDITS): 21MS2MB311 (3)

MAX. MARKS: 35

COURSE NAME: IPR Bioethics& Biosafety

COURSE INSTRUCTORS: Dr Hemant Sood

MAX. TIME: 2 Hours

Note: (a)All questions are compulsory.

(b)Marks are indicated against each question in square brackets.

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

Q1. How does WIPO mediate among nations on IPR-related infringement matters? What are the different roles played by WIPO for smooth conduct and fair regulation of Intellectual Property Rights at the National and International levels? (3+3)

Q2 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. (2+2+2)

Q3. How is Intellectual Property management carried out at the enterprise level? Explain the role of IP from the ideation stage to the commercialization of a product named Micro-picrosides (immunity modulator compound) developed from genetically modified *E.coli*.(3+3)

Q4. Which intellectual property is required for protecting the rights of the book on Plant Products & IPR written by Dr Sood at JUIT? What are the rights conferred under that IP protection of the book and how you can generate related rights in it? (3+3)

Q5. Genetically modified *Pseudomonas* was developed in the Microbiology lab of JUIT for treating oil spills in water resources. How you can take care of the Cartagena Protocol to mitigate its risk? Which biosafety containment is required for the same and how you can proceed with it? (3+3)

Q6. How you can carry out strategic entrepreneurship for your innovative products? What are the statutes developed by WIPO for the effective functioning of SMEs?(5)