

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATION- 2023

M.Sc.- 3rd Semester (Microbiology)

COURSE CODE(CREDITS): 21MS2MB311 (3)

MAX. MARKS: 25

COURSE NAME: IPR Bioethics& Biosafety

COURSE INSTRUCTORS: Dr Hemant Sood

MAX. TIME: 1 Hour 30 minutes

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 traditional knowledge is protected in India? What are the provisions and mandates? What is the significant outcome of this act which was appreciated by WIPO and useful at International IP search? (2+1+2)

Q2 What is the role of International agreements under WIPO for Intellectual Property protections? How does the Budapest Treaty facilitated IP protection at the national and international levels? (2.5+2.5)

Q3. How does IP cell help in the commercialization of gluten-free and millet-supplemented bread developed in JUIT? Which intellectual property protection and licensing model will be most effective for commercialization? (2.5+2.5)

Q4. Which intellectual property is required for protecting symbols and logos in India? What is the significance of this IP right and which agreement carried out improvements for its international protection and How? (2.5+2.5)

Q5. Genetically modified *Pseudomonas* 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? (5)