

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -3 EXAMINATION- 2023

M.Sc.- 3rd Semester (BT)

COURSE CODE(CREDITS): 20MS1BT315 (2)

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. A new plant variety of Basil with having lavender fragrance was developed in JUIT. How would you like to protect its Intellectual property rights? Explain the complete registration procedures.(2+2+2)

Q2 What is the role of the Biodiversity Act in the Indian scenario for safeguarding traditional knowledge? Explain the structure and salient features with amendments. (2.5+2.5)

Q3. What is the rationale of the Convention on Biodiversity? What are its provisions for the biopatents and bio-products? How is it contributing in bioprospecting the available bioresources? (2+2+2)

Q4. Which intellectual property is required for protecting the ornamentation part of the newly developed plant growth chamber with temperature and light controls at JUIT? What is the significance of this IP right and how infringements can be penalized under this protection? (2+2+2)

Q5. Which model would be utilized for the commercialization of the IP Protected newly developed course of IPTC on the digital domain by Dr.Sood at JUIT? What are the rights conferred under this IP registration and benefits generated out of it to the host institution as well? (3+3)

Q6. Why Bioethics and Biosafety are required for the products developed by biotechnology? Which bioethical and Biosafety tools help combat the threats expected from those products? Explain by citing a case study . (6)