

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -3EXAMINATIONS-2022

M.Sc.-3rd Semester (BT)

COURSE CODE (CREDITS): 20MSBT531(2)

MAX. MARKS: 35

COURSE NAME: IPR Bioethics & Biosafety

COURSE INSTRUCTORS: Dr Hemant Sood

MAX. TIME: 2 Hours

Note: All questions are compulsory. Marks are indicated against each question in square brackets.

Q1. How would you carry out the protection of novel hybrid medicinal plants from *Valeriana* and *Hypericum* developed in the BT lab of JUIT? What are the rights conferred to the researchers and breeders for this Intellectual property? Can the benefit sharing be applied to this Intellectual property after its commercialization? (2+3+2)

Q2. Which IP tool would be utilized for the creative & literary work? How economic and moral rights are helpful in generating revenue for Intellectual property? (2.5+2.5)

Q3. Explain the followings:

- a. Why fixation is benefitting copyright and related rights?
- b. What are the obstacles to successful innovations?
- c. Why BSL4 is of high concern?
- d. Does Cartagena protocol associated with products developed from LMOs? (4x2)

Q4. How does WIPO coordinate Intellectual property protection at a global level? Which strategy was proposed by WIPO for running SMEs at worldwide scale? (2.5+2.5)

Q5 Explain the role of Bioethical & Biosafety committees in the release of modern biotechnology products. What are the main concerns of these committees and how do they mitigate risk? (5)

Q6 How you can translate a creative idea into a useful application and explore its avenues for profitability? How do patent search interfaces facilitate the whole process for its applicability? Cite an example for the same.(5)