

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY WAKNAGHAT

T3 Examination 2018

B.Tech Biotechnology/BTDD (9<sup>th</sup> Semester)

COURSE: IPR BIOSAFETY & BIOETHICS

MAX.MARKS:35

COURSE CODE: 13M11BT113

TIME:2Hrs

**Q1.** Explain pros and cons of industry-academia collaborations? How they can carry out successful collaborative ventures? What are the factors contributing for it? Recommend the ethical guidelines for it. (8) CO5

**Q2.** Explain various types of Research misconducts? How it can be avoided? Cite some examples for the same. (4)CO2

**Q3.** Explain the functions and role of the followings :

- a. Databases available for IP search
  - b. Cartagena protocol and its advantages
  - c. Exclusive Marketing Rights are needed
  - d. Biodiversity Act
  - e. IP audit
- (10) CO3 & CO1

**Q4.** How Convention on Biological Diversity contributes for checking Biopiracy ? How biological diversity would be utilized for bioprospecting with value addition of intellectual property ? Give its justification by showing CBD-TRIPs intervention.(5)CO6

**Q5.** What are the most prominent Biosafety issues in academic research? What are Biosafety levels and what are their standard operating procedures.3)CO4

**Q6.** Do euthanasia is coming under the preview of Bioethics? Should it be legalize in India? Justify this social concern by using ethical theories and principles framed by bioethicists. Which model would you like to suggest in case of dilemmatic situation like this to take fair decision.? 5)CO2