



CBCS SCHEME

18BT741

Seventh Semester B.E. Degree Examination, Dec.2023/Jan.2024

Bioethics, Biosafety and IPR

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. Can we solve world hunger using biotechnology as a tool? (10 Marks)
b. Why studying public acceptance of biotech products are crucial developing it? (10 Marks)

OR

- 2 a. Discuss on ownership issues of own genetic sequence of done by other individual. (10 Marks)
b. How monopoly is biotech research and development affects the development of further development of the product? (10 Marks)

Module-2

- 3 a. Explain the basic principles of biethics. (10 Marks)
b. Explain the boundaries between legality and morality. (10 Marks)

OR

- 4 a. Explain the four basic components of medical ethics. (10 Marks)
b. Discuss the conflict between human light and beneficence during medical treatment. (10 Marks)

Module-3

- 5 a. How do you generate new form of life in socially responsible manner? (10 Marks)
b. What are the components of Cartagena protocol? (10 Marks)

OR

- 6 a. How biosafety issues are managed while generating new form of life? (10 Marks)
b. What are the biorisk levels while doing research is micro organisms? (10 Marks)

Module-4

- 7 a. How developing weapon grade modified microorganisms affects the society? (10 Marks)
b. Discuss on provisions given in international convention on biological weapons. (10 Marks)

OR

- 8 a. Discuss the good manufacturing practices followed in Indian pharma industry. (10 Marks)
b. Discuss the biosafety assessment procedures practiced in food and pharma industry. (10 Marks)

Module-5

- 9 a. Write legal implications of farmers right. (10 Marks)
b. What are the objectives of patent system? (10 Marks)

OR

- 10 a. Explain the provisions of patent laws in India. (10 Marks)
b. What are the legal provisions given in India to protect live organism? (10 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.