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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)