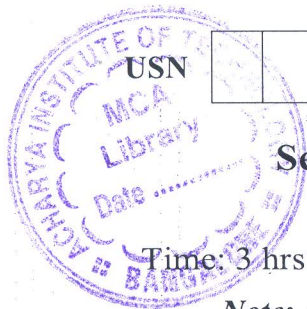


CBCS SCHEME

18BT741



Seventh Semester B.E. Degree Examination, Jan./Feb. 2023

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. How can you substantiate that biodiversity is the indicator of healthiness of the society? (10 Marks)
- b. Why fair share of benefits are important in commercialization of the Intellectual Property? (10 Marks)

OR

- 2 a. How to solve biosafety issues in environmentally sustainable manner? (10 Marks)
- b. What are the causes and consequences of public funding and private funding in biotech research? (10 Marks)

Module-2

- 3 a. What is informed decision making? (10 Marks)
- b. How scope of ethics expanded beyond medical field with the popularization of biotechnology? (10 Marks)

OR

- 4 a. Write note on beneficence, non-maleficence autonomy and justice. (10 Marks)
- b. Why educating public while generating new form of life is important? (10 Marks)

Module-3

- 5 a. How ethical issues arise while generating new form of life? (10 Marks)
- b. How unequal distribution of risks and benefits of new form of life effects the success of biotech product? (10 Marks)

OR

- 6 a. How to balance between rational and subjective perception of risks and benefits? (10 Marks)
- b. How do you differentiate between hazard and risk? (10 Marks)

Module-4

- 7 a. Explain biosafety assessment procedures in pharmaceutical industries. (10 Marks)
- b. Explain biosafety assessment procedures for food products. (10 Marks)

OR

- 8 a. What are good laboratory practices? (10 Marks)
- b. Explain the components of good manufacturing practices. (10 Marks)

Module-5

- 9 a. Explain the procedure to file application of patent in India. (10 Marks)
- b. How farmers right protects the farmers from corporates? (10 Marks)

OR

- 10 a. Explain the basic principle of patent laws in India. (10 Marks)
- b. Discuss the general requirement of patents laws in India. (10 Marks)

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.