

B.Sc. (Part-III)

Bio.&IPR

8008-III

B.Sc. (Part-III) Examination, 2021

(Faculty of Science)

(Common to Three and Five Year Integrated Course)

BIOTECHNOLOGY

Paper-BT-803

(Bioethics and IPR)

Time Allowed : 3 Hours

Maximum Marks : 50

Answer of all the questions (short answer as well as descriptive) are to be given in the main answer-book only. Answers of short answer type questions must be given in sequential order. Similarly all the parts of one question of descriptive part should be answered at one place in the answer-book. One complete question should not be answered at different places in the answer-book.

Write your roll number on question paper before start writing answers of questions.

Question No. 1 is compulsory. Answer **five** questions in all, selecting at least **one** question from each Section.

PART-A

1. Answer in short :

- (a) What are Biohazards?
- (b) For how many years a patent is granted in India?
- (c) What is a trade secret?
- (d) Give an example of a biological weapon.
- (e) Write the full form of GATT.
- (f) What is biopiracy?
- (g) Write the name of a regulatory body for transgenic research in India.

- (h) Write the name of a genetically modified plant.
- (i) What is intellectual property?
- (j) When was the agreement on Trade-Related Aspects of Intellectual Property Rights (TRIPS) was signed? 1×10=10

PART-B

SECTION-A

2. Describe the guidelines regarding recombinant DNA technology in India. 10

OR

Provide a detailed account of the regulatory framework for genetically modified plants in India. 10

SECTION-B

3. What are GMMs? Describe the ecological impacts of released GMMs. 2+8=10

OR

Write a note on ethics in the field of biotechnology. 10

SECTION-C

4. Write short notes on :

(a) Copyright.

(b) Trademark. 5+5=10

OR

What is a patent? What can be patented? Describe the different contents of a patent draft. 2+2+6=10

SECTION-D

5. Write a detailed account on plant breeder's right. 10

OR

Illustrate the functions of the world intellectual property organization. 10
