

2003001105020006
EXAMINATION FEBRUARY-MARCH 2024
BACHELOR OF SCIENCE (FIFTH SEMESTER)
(BIOTECHNOLOGY)
BT-16 BIOETHICS BIOSAFETY AND IPR LEVEL 2

[Time: As Per Schedule]

[Max. Marks: 50]

Instructions:

1. Fill up strictly the following details on your answer book

- a. Name of the Examination : **BACHELOR OF SCIENCE (FIFTH SEMESTER)**
- b. Name of the Subject : **(BIOTECHNOLOGY) BT-16
BIOETHICS BIOSAFETY AND IPR LEVEL 2**
- c. Subject Code No : **2003001105020006**

2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

Q.1 Define/Answer in short, Any Four:

8

- a) Biosafety
- b) What is Allograft mention with example?
- c) Physical containment
- d) Prior art
- e) List properties of stem cell

Q.2 Attempt Any Two:

14

- a) Discuss the application of bioethics and biosafety.
- b) Describe the biosafety level to be followed for working with plants.
- c) Mention the phases of clinical trial and ELSI issues associated with drug testing on humans.

Q.3 Explain in detail Any Two:

14

- a) The ELSI associated with GMO foods and crops.
- b) Types of Risk assessment.
- c) The disposal of biological hazardous waste.

Q.4 Attempt Any Two of the following:

14

- a) What is PVP? Mention the farmer's right associated with it.
- b) Give details of WIPO and TRIPS.
- c) What is IPR? How does a patent differ from a copyright?
