



RAN - 2003001105020006

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**B.Sc. Biotechnology (Sem. V) Examination November - 2023**

**BT-16: Bioethics, Biosafety and IPR**

**Time: 2 Hours ]**

**[ Total Marks: 50**

**સૂચના : / Instructions**

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નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.  
**Fill up strictly the details of signs on your answer book**

Name of the Examination:

**B.Sc. Biotechnology (Sem. V)**

Name of the Subject :

**BT-16: Bioethics, Biosafety and IPR**

Subject Code No.: **2003001105020006**

Seat No.:

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Student's Signature

- (2) Figures to the right indicate full marks.  
(3) Draw neat and labelled diagrams wherever necessary.

**Q-1. Define/Answer in short Any Four: (8)**

- What is biosafety? List its different levels.
- What is transgenic organism and who constructed it first?
- What is Trademark? Give an example.
- Risk assessment.
- Prior art.

**Q-2. Attempt Any Two: (14)**

- Describe the biosafety level to be followed for working with plants.
- What is bioethics? Mention its need and application.
- What is containment? Why there is a need for containment.

**Q-3. Explain in detail Any Two: (14)**

- ELSI of consumption of GM food.
- The disposal of biological hazardous waste.
- The types of stem cells and ELSI associated with it.

**Q-4. Attempt Any Two of the following:**

**(14)**

- (a) How patent differs from trade-secret?
  - (b) Give the history of PVP and mention farmer's right.
  - (c) Give details about TRIPS and WIPO.
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