

(b) Role of biotechnology companies
in fostering innovation and
entrepreneurship. 7

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(20425)

Roll No. Vidu 8008

B.Sc. (Bio-tech.)-III Year.

Vidushi

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B.Sc. Bio-Technology

Examination, April-2025

**Biosafety Guidelines Intellectual
Property Rights and Entrepreneurship
Development**

(B-308)

(B.Sc. BioTech.)

Time : Three Hours]

[Maximum Marks : 75

Note : Attempt any **five** questions. **All**
questions carries equal marks.

1. What is biotechnology? Discuss the
biotechnology innovations & their legal
and socioeconomic impacts. 15
2. What do you mean by the term Bioethics?
Explain the major bioethical concerns in
biotechnology research and innovation.

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How do these concerns affect public trust and the adoption of biotech products? 15

3. Write a detailed note on the intellectual property rights (IPR). 15
4. What do mean by the term Biosafety? Describe the biosafety concerns related to transgenic organisms and genetically engineered products. 15
5. What is a patent? Explain the objectives of patent systems and the basic principles of patent law in the context of biotechnological inventions. 15
6. Write short notes on:
 - (a) National Environment Policy (2006). 8
 - (b) Farmer rights and biodiversity protection in the context of biotechnology patents. 7

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7. Discuss the major provisions of the Recombinant DNA Guidelines (1990) and the Revised Guidelines for Research in Transgenic Plants (1998). How have these guidelines shaped transgenic in India. 15
8. What is biodiversity? Write an essay on Convention on Biological Diversity (1992). 15
9. Define the term entrepreneurship. Describe the concept, nature, and scope of entrepreneurship in biotechnology. How can bioentrepreneurial training help foster innovation in the biotech industry? 15
10. Write short notes on :
 - (a) Cartagena Protocol and its implementation status in India. 8

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P.T.O.