

**2006 JAWAHARLAL NEHRU UNIVERSITY**  
IV B.TECH II SEMESTER REGULAR EXAMINATIONS  
**IPR AND MANAGEMENT OF BIO TECHNOLOGY**  
(BIO-TECHNOLOGY)

APRIL 2006

TIME : 3 HOUR  
MARK : 80

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answer any five questions all questions carry equal marks

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1. Define Biodiversity. Discuss the types and levels of biodiversity.
2. What is the importance of biodiversity. Discuss the impact of civilization, pests and pollution on biodiversity.
3. What is sustainable development? Discuss the use of ecosystem components for sustainable development.
4. Write in detail about:
  - (a) In vitro fertilization and embryo transfer.
  - (b) Electrophoresis.
5. Write short notes on the following:
  - (a) Farmers rights
  - (b) Intellectual property Rights
  - (c) Rio declaration
  - (d) Values of biodiversity.
6. What is DNA fingerprinting? What is the use of this procedure in biodiversity management.
7. What are the various major International and National conventions on biodiversity and their outcome.
8. What is a patent? What is the need for patenting? Explain the methods of application for patents.