

Code: R7412302

R7

IV B.Tech I Semester (R07) Supplementary Examinations, May 2012
BIO ETHICS, BIO SAFETY AND INTELLECTUAL PROPERTY RIGHTS
(Biotechnology)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions
All questions carry equal marks

1. What are the ethical concerns associated with recombinant DNA technology and human cloning? Formulate ethical guidelines that should govern biotechnology research in these areas.
2. Discuss how biosafety plays a role in handling and release of Genetically modified organisms.
3. What are genetically modified crops? What scientific and ethical issues are associated with GM crops? How can such issues be resolved? Formulate guidelines which could be adopted by the Department of Biotechnology, Govt. of India to ensure sound science and ethical principles.
4. What are good laboratory practices discuss its importance?
5. What is the role of patents in biotechnological development?
6. Discuss farmer's right and its legal implications.
7. Write short notes on:
 - (a) UOPV.
 - (b) GATT.
 - (c) WIPO.
 - (d) PCT.
8. Explain the following:
 - (a) Trade without discrimination.
 - (b) Open trade.
