

Code: 9A23801

R09

B.Tech IV Year II Semester (R09) Advanced Supplementary Examinations, July 2013

BIOETHICS, BIOSAFETY AND INTELLECTUAL PROPERTY RIGHTS

(Biotechnology)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions

All questions carry equal marks

- 1 Explain the importance of bioethics and discuss the various social and ethical issues in biotechnology.
- 2 Define biosafety. Give an account on various biosafety committees. Define containment and explain types of containments.
- 3 What are various levels of risk groups in biosafety? Illustrate with pathogenic and non-pathogenic examples. Discuss the special guidelines to be followed for release at r-DNA based products.
- 4 Explain the significance of regulatory affairs. Explain the guidelines for drug preparation and packing.
- 5 What is a patent? Explain a detailed procedure for application of a patent.
- 6 What are the various forms of IPR? Write about trademarks, farmer's rights and plant breeder's rights.
- 7 What is GATS, TRIPS and write a note on the convention on biological diversity and its objectives?
- 8 Explain WTO, its guidelines, objectives, principles and scope.
