

Code :R7312303

R7

III B.Tech I Semester(R07) Supplementary Examinations, May 2011
BASIC INDUSTRIAL & ENVIRONMENTAL BIOTECHNOLOGY
(Biotechnology)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions
All questions carry equal marks

1. What are the uses of Glutamic acid and how it is produced commercially ? Explain.
2. Describe the production process of “erythromycin”.
3. Discuss the production of “proteases”.
4. (a) What is recombinant technology ? Explain.
(b) Describe the production of “Insulin”.
5. What are the natural biopreservatives ? Give an example and explain its process.
6. (a) Define aerobiz and anaerobiz processes ?
(b) Discuss about “Activated sludge process”
7. (a) Define “Bioremediation”.
(b) Describe about “Fixed biofilm reactors”.
8. Discuss the following:
 - (a) Biodegradation of Xenobiotics
 - (b) Biological detoxification.
