

NR

Code No: R7001

JAWAHARLAL NEHRU TECHNOLOGY UNIVERSITY, HYDERABAD

B. Pharmacy IV Year I Semester Examinations, May-2012

PHARMACEUTICAL BIOTECHNOLOGY

Time: 3 hours

Max. Marks: 80

**Answer any five questions
All questions carry equal marks**

1. Define immunoglobulin and explain about its structure and functions. [16]
2. What are monoclonal antibodies and explain its importance. [16]
3. What are probes? Discuss their importance in cloned gene detection. [16]
4. Give detailed account of principles of isolation of industrially important microorganisms. [16]
5. What parameters can be monitored in a modern, large-scale industrial fermentation? [16]
6. Explain the production of steroids using microbial bio-transformations. [16]
7. Write a detailed note on the Enzyme streptokinase and streptodornase. [16]
8. Describe the preparation, storage and uses of Dried human plasma. [16]

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