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Register Number:

7237

Name of the Candidate:

DIPLOMA EXAMINATION - 2010

(INDUSTRIAL BIOTECHNOLOGY)

(PAPER – I)

110. INDUSTRIAL MICROBIOLOGY

December)
Hours

(Time: 3

Maximum: 100 Marks

Answer any FIVE questions.
All questions carry equal marks. (5 × 20 = 100)

1. a. What are the requirements of a good fermentation media? (10)
b. Explain the various media used in fermentation process. (10)
2. Discuss the production of any two industrially important microbial enzymes. (20)
3. Write short notes on
a. Inoculum culture. (10)
b. Production culture. (10)
4. What is baker's yeast? Explain the process of baking in details. (20)
5. Explain the various test for identification of yeast. (20)
6. Write an essay on types of microorganism with an example. (20)
7. Explain the mechanism and process of lactic acid production. (20)
8. Explain the various methods of isolation and identification of molds. (20)
9. Write short notes on
a. Pickles. (10)
b. Propionic acid. (10)
10. a. Write an essay on history and development of antibiotic fermentation. (10)
b. Write a short note on amino-pencillonic acid. (10)

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