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Reg. No. :

Name :

Second Semester M.Sc. (CSS) Degree Examination, June 2009

Branch : Computational Biology

COB 521 : INTRODUCTION TO BIOTECHNOLOGY

Time : 3 Hours

Max. Marks : 60

PART – A

Answer (in couple of sentences) **all ten** questions. **Each** question carries **2** marks.

(2×10=20 Marks)

1. What is cell cycle ?
2. What is food safety ?
3. Can you explain the first biotechnological development made by man ?
4. What is DNA finger printing ?
5. What is a gene product ?
6. What are designer drugs ?
7. What is pollution ?
8. What is eco-conservation ?
9. Can you distinguish Yoghurt and Paneer ?
10. What is bakers yeast ?

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PART – B

Answer any **eight** questions. **Each** question carries **5** marks.

(8×5=40 Marks)

11. Describe the methods in food biotechnology.
 12. Write an essay on Probiotics.
 13. Describe the process of alcohol making.
 14. Explain the biotechnological production of insulin.
 15. Describe DNA and recombinant DNA.
 16. Discuss the principle and applications DNA probes.
 17. Describe the biotechnological solution to environmental problems.
 18. How biotechnology can ensure food safety ? Describe in detail.
 19. Describe the process of bread making.
 20. What are antibiotics ? Explain their applications.
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