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**St Aloysius College (Autonomous)**  
**Mangaluru**

**Semester III – P.G. Examination – M.Sc. Food Science and Technology**  
**November / December - 2023**  
**FOOD MICROBIOLOGY**

Time: 3 hrs.

Max Marks: 70

**I. Answer any SIX of the following: (6x3=18)**

1. Write a note on secondary metabolites
2. Write a note on Catalase test
3. Write a note on Ropiness
4. PCR
5. Write a note on Fluorescent Antibodies
6. Indicator Microorganisms
7. ELISA

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**II. Answer any FOUR of the following: (4x7=28)**

8. Discuss food born diseases outbreaks with example
9. Discuss the microflora and criteria of Meat and its products.
10. Discuss the mircoflora of Milk and its products.
11. Explain food borne diseases, causative organisms and symptoms
12. Discuss immunological methods used to detect microorganism.

**III. Answer any TWO of the following: (2 x12=24)**

13. Discuss the usage of microorganisms used in food industries.
14. Describe the non-bacterial agents of food borne illness
15. What are food Hazards? Explain the seven principles of HACCP with a suitable flow diagram for a food business.

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