



বিদ্যাসাগর বিশ্ববিদ্যালয়

**VIDYASAGAR UNIVERSITY**

**M.Sc. Examinations 2020**

**Semester IV**

**Subject: CLINICAL NUTRITION & DIETETICS**

**Paper: CND - 401**

(Theory)

**Full Marks:40**

**Time: 2HRS**

*Candidates are required to give their answers in their own words as far as practicable.*

**Answer any one of the following questions (within 250 words)**

**Paper: CND 401: Food microbiology and Food preservation**

1. What do you mean by quality? Discuss PDCA cycle.
2. Enumerate your idea about internal and external quality control in a food industry.
3. Discuss the various principles of HACCP.
4. What is meant by cross contamination of food? Elaborate your idea about safe food handling.
5. Discuss different types of foodborne illness.
6. What do you mean by 'Food Poisoning Time Bomb'? Define pasteurization. State the common causes of food spoilage.
7. Discuss about the Baltimore classification scheme of virus. What is meant by "Low mold diet"?
8. Write about the usage of "MPN" test. Show the pathway of spoilage milk products?
9. Write short note on Bacterial Growth Curve. What is the utility of pasteurization in food industry?
10. What are the factors that influence the growth of microorganisms in raw poultry meat? Describe the functions of virion proteins.
11. Differentiate between fungi and bacteria. Briefly describe about the asexual reproduction of fungi.
12. What is meant by "Modified atmospheric packaging"? What are health benefits of probiotic foods?