

**The University of Burdwan**  
**B.Sc. (Hons.) Semester - V Examination (CBCS): 2020**  
**Subject: Nutrition**  
**Course Code: CC - 11**  
**Course Title: Food Microbiology and Food Borne Disease**

The figures in the right hand margin indicate full marks

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

Answer all *questions* as instructed

Examinees are instructed to submit the scanned copies / photographs of their answer scripts within 30 minutes after the completion of examination

**F.M.–40**

**Time: 2hrs**

**1. Answer any eight questions of the following:**

**5×8=40**

- a) Briefly discuss the role of microorganisms involved in fermented food production.
- b) Why EMB agar act as a selective as well as differential media? Explain.
- c) Give a brief description about different phases of bacterial growth with a curve.
- d) Write short note on pure culture method.
- e) What is disinfectant? How it differs from sterilization?
- f) What is the causative agent of Salmonellosis? Write the mode of action of such agent in the body?
- g) Write in brief about dry and moist heat based sterilization.
- h) What are the different intrinsic factors that affects bacterial growth?
- i) What is botulism? Write the symptoms of botulism.
- j) What is food contamination? How it differs from food infection?

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