

5. Give the classification and importance of yeast in food.
Also discuss the structure of yeast. 12

OR

Give an account of classification, structure and importance of molds in food. 12

6. (A) Define media. Give its classification and types. 4
(B) What is pure culture ? Explain any one method to prepare pure culture. 4
(C) State the importance of sterilization in food microbiology. 4

OR

- (D) What is staining ? Explain gram +ve staining. 4
(E) Discuss serial dilution technique. 4
(F) Discuss the terms asepsis and contamination. 4
7. (A) Explain the factors affecting spoilage microplora. 4
(B) What are the indicators of microbial spoilage ? 4
(C) What is fermentation ? Explain the advantages. 4

OR

- (D) Discuss Clostridium Botulinum. 4
(E) Sources of microorganisms in food. 4
(F) Microbiology of fruits and vegetables. 4

B.Sc. (Part-II) Semester-III Examination

3S : FOOD SCIENCE

(Food Microbiology)

Time—Three Hours]

[Maximum Marks—80

- Note :—**(1) All questions are compulsory.
(2) Question Nos. 2 to 7 carry equal marks.

1. (A) Fill in the blanks :

- (i) The biological classification of microorganism is known as _____. (Taxonomy/Kingdoms)
(ii) The time required for a complete division cycle is known as _____.
(Generationtime/Optimum time)
(iii) Media is used for the _____ of microorganism.
(Cultivation/Isolation)
(iv) Keeping of microorganism is known as _____.
(Prevention/Contamination)

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- (B) Choose the correct alternative :

- (i) Obtaining and maintaining pure culture of bacteria is :
(a) Staining (b) Aseptic technique
(c) Spore staining (d) MPN technique

