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FNDFNC 368

**Credit Based VI Semester B.Sc. (FND) Degree Examination, September 2022
(2020 – 21 and Earlier Batches)
FOOD MICROBIOLOGY – II**

Time : 3 Hours

Max. Marks : 80

- Note :** 1) Answer **both** Part – A and Part – B.
2) Draw diagrams **wherever** necessary.

PART – A

I. Answer **any ten** of the following.

(10×2=20)

- 1) a) Sewage.
- b) Water activity.
- c) Total count.
- d) Aflatoxins.
- e) EMB Agar.
- f) Tourne.
- g) Durham's tube.
- h) Alternaria rot.
- i) Food Microbiology.
- j) Surface water.
- k) Exotoxins.
- l) Rotting of Eggs.

PART – B

II. Answer **any four** questions.

(4×15=60)

Unit – I

- 2) a) Classify foods based on their ease of spoilage.
- b) Write a note on chemical properties of the food affecting the growth of microorganisms.
- c) Discuss the general principles underlying spoilage of food. **(4+4+7=15)**

OR

P.T.O.



- 3) a) Define food spoilage. Give examples.
b) Discuss the causes of spoilage of food.
c) Discuss the factors affecting the kinds and number of microbes in food. **(3+5+7=15)**

Unit – II

- 4) a) Explain the spoilage of spices and condiments.
b) Explain briefly on spoilage of meat.
c) Discuss the spoilage of milk and milk products. **(4+4+7=15)**

OR

- 5) a) Explain the spoilage of fats and oils.
b) Explain the spoilage of butter and frozen desserts.
c) Discuss on contamination and spoilage of fruits and vegetables. **(3+5+7=15)**

Unit – III

- 6) a) Write a note on Sewage Disposal.
b) Write a note on any two Fungal air borne diseases.
c) Define food poisoning. Explain food poisoning by *Clostridium Botulinum*. **(4+4+7=15)**

OR

- 7) a) Write briefly on microbiology of sewage.
b) Discuss on Air borne disease-Tuberculosis and Diphtheria.
c) Explain the various steps in treatment of sewage. **(3+5+7=15)**

Unit – IV

- 8) a) Write a note on Disinfection of water.
b) Discuss on ground water microflora.
c) Explain the different bacterial water borne diseases. **(4+4+7=15)**

OR

- 9) a) Write a note on Amoebiasis.
b) Discuss on filtration method of water purification.
c) Explain the multiple tube fermentation test for Coliforms. **(3+5+7=15)**
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