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**FNDFNC 385**

**Choice Based Credit System VI Semester B.Sc. (FND) Degree  
Examination, September 2022  
(2021-22 Batch Onwards)  
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) Food Microbiology
- b) EPEC
- c) Water activity
- d) Putrefaction
- e) Droplet nuclei
- f) Souring of milk
- g) Sewage
- h) Total count
- i) Botulism
- j) *Salmonella typhi*
- k) Spoilage of eggs
- l) Slow sand filters.

**PART – B**

II. Answer **any four** questions :

**(4×15=60)**

**Unit – I**

- 2) a) Classify food on the ease of spoilage.
- b) Write a note on Histoplasmosis.
- c) Discuss on Tuberculosis and Diphtheria.

**(4+4+7=15)**

OR

P.T.O.



- 3) a) Write a note on Fitness and unfitness of food for consumption.  
b) Discuss on causative agent, symptoms, treatment and prevention of Blastomycosis.  
c) Explain the general principles underlying spoilage of food. **(3+5+7=15)**

#### Unit – II

- 4) a) Write a note on sources of water.  
b) Explain tertiary treatment of water.  
c) Discuss on water borne Viral Disease. **(4+4+7=15)**

OR

- 5) a) Write briefly on Microbiology of Sewage.  
b) Discuss on prevention and control of water borne diseases.  
c) Discuss on bacterial examination of water. **(3+5+7=15)**

#### Unit – III

- 6) a) Write a note on factors affecting kinds and numbers of microorganisms in food.  
b) Discuss on contamination and spoilage of fats and oils.  
c) Discuss on contamination and spoilage of fruits and vegetables. **(4+4+7=15)**

OR

- 7) a) Write a note on associative growth.  
b) Discuss on kinds of microbes causing spoilage of meat.  
c) Explain the modes of contamination and spoilage of spices and condiments. **(3+5+7=15)**

#### Unit – IV

- 8) a) Differentiate between Exotoxin and Endotoxin.  
b) Write a note on Staphylococcal food poisoning.  
c) Explain the symptoms, causes, treatment and prevention of Campylobacter infection. **(4+4+7=15)**

OR

- 9) a) Write a note on cholera.  
b) Differentiate between food poisoning and food borne infection.  
c) Explain the symptoms, causes, treatment and prevention of Listeria infection. **(3+5+7=15)**
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