

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0423]

APRIL 2023

Sub. Code: 3012

B.Sc. CLINICAL NUTRITION
SECOND YEAR (Regulation 2018-2019 onwards)
PAPER II – FOOD MICROBIOLOGY
Q.P. Code: 803012

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Factors affecting the Growth of Microorganisms in food.
2. Chemicals used to Control and Destroy Microorganisms in Food.
3. Diseases caused by Mycotoxins.

II. Write notes on:

(8 x 5 = 40)

1. Causes of Cholera and Preventive measures.
2. Classification of Moulds based on the manner and type in which spores are formed?
3. Preservation of Food using Low Temperature.
4. Fermented Dairy Products.
5. Spoilage of Fruits and Vegetables caused by Fungi.
6. Preventive measures to inhibit the multiplication of Staphylococcus.
7. Chemical changes in Nutrients due to Spoilage.
8. Botulism.

III. Short answers on:

(10 x 3 = 30)

1. Freezing.
2. Perishable and Non-perishable foods.
3. Food contamination.
4. Facultative anaerobes.
5. Sterilisation.
6. Aflatoxicosis.
7. Parasites.
8. List down few Bacteria present in Water and Soil.
9. Role of Salt or Sugar in Food Preservation.
10. Pasteurization.
