

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

[AHS 0222]

**FEBRUARY 2022
(OCTOBER 2021 EXAM SESSION)**

Sub. Code: 1303

**M.Sc. CLINICAL NUTRITION
FIRST YEAR**

(Candidates admitted from 2012-2014 onwards - Paper III)

(Candidates admitted from 2020-2021 onwards - Paper IV)

PAPER III & IV – MEDICAL AND FOOD MICROBIOLOGY

Q.P. Code : 281303

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Role of micro organism in Fermented food -Baked preparation, vegetarian foods, dairy products.
2. List and explain in detail the factors affecting food safety.

II. Write notes on:

(10 x 6 = 60)

1. Food standardization and regulation in India.
2. Food adulterants and common adulteration.
3. Risk assessment
4. Chemical methods of food preservation
5. Food contamination
6. Nutrition and oxygen affecting the growth of microorganism
7. Concerns of genetically modified foods
8. Write a note on food borne toxic infection
9. Benefits of HACCP
10. Food borne diseases due to naturally occurring toxicants
