

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

[AHS 0222]

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

Sub. Code: 1304

**M.Sc. CLINICAL NUTRITION
FIRST YEAR
(Candidates admitted from 2012-2014 onwards - Paper IV)
(Candidates admitted from 2020-2021 onwards - Paper V)
PAPER IV & V – ADVANCE NUTRITION
*Q.P. Code : 281304***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define BMR Factors affecting BMR.
2. Explain Metabolic Utilization and regulation of carbohydrates.

II. Write notes on:

(10 x 6 = 60)

1. Factors affecting thermic effects of food.
2. Discuss fatty acid briefly.
3. Explain Energy requirement during Pregnancy and Lactation.
4. Write about properties and effects of Dietary fiber.
5. Methods of determination of protein and amino acid content in food.
6. Write about n-3 and n-6 fatty acid in relation to Indian diets.
7. Functions of water in the body.
8. Explain Beriberi in detail.
9. Functions of Calcium.
10. Lipoproteins.
