



THE AMERICAN COLLEGE, MADURAI

(An Autonomous Institution Affiliated to Madurai Kamaraj University)
Re-accredited (2nd Cycle) by NAAC with Grade "A", CGPA – 3.46 on a 4-point scale

Backlog Arrear Examination, March 2021

BCH 2335

Nutritional Biochemistry

Max Marks: 75

Time: 3 Hrs.

PART A

I. Answer any Five questions each not exceeding 4 pages:

(5 x 15 = 75)

1. Define Nutrition. Write detail notes on the malnutrition and under nutrition.
2. What is basal metabolism? Explain the measurement of BMR using Benedict Roth apparatus with a neat schematic diagram.
3. Define calorific value. How calorific value is calculated by Bomb calorimeter?
4. Give an account on the composition of human milk and nutritional requirements of infants.
5. Discuss the physiological changes during pregnancy and tabulate the nutritional requirements of pregnant women.
6. Discuss the immunological reaction, symptoms, diagnosis and treatment of food allergy.
7. Define ICMR. Narrate any 10-food group plan proposed by WHO.