



[AHS 0321]

MARCH 2021

Sub. Code: 3003

(AUGUST 2020 EXAM SESSION)

B.Sc. CLINICAL NUTRITION

FIRST YEAR (Regulation 2018-2019)

PAPER III – NUTRITIONAL BIOCHEMISTRY

Q.P. Code : 803003

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Write in detail about Bombcalorimeter with diagram.
2. Define vitamins. Give a brief account on sources, requirement, functions and deficiency disorders of vitamins.
3. Cholesterol and its clinical significance.

II. Write notes on:

(8 x 5 = 40)

1. Classification of carbohydrates.
2. Urea cycle.
3. Essential and nonessential amino acids.
4. Classification of enzymes.
5. BMR, factors affecting BM
6. Mode of buffer action.
7. Glucose tolerance test.
8. Tumor markers.

III. Short answers on:

(10 x 3 = 30)

1. Balanced diet.
2. Complete proteins.
3. Bile pigments.
4. Enzyme inhibition.
5. Dehydration.
6. Addison's disease.
7. Immunoglobulin.
8. Glycolysis.
9. GF
10. Iodine numbe

