

[LP 1019]

OCTOBER 2019

Sub. Code: 1302

**M.Sc. CLINICAL NUTRITION EXAMS
FIRST YEAR
PAPER II – NUTRITIONAL BIOCHEMISTRY**

Q.P. Code : 281302

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the regulation of blood glucose level. Add a note on glycosuria.
2. Classify amino acids based on structure, nutritional requirement and metabolic fate. Add a note on properties of amino acid.

II. Write notes on:

(10 x 6 = 60)

1. Coenzymes.
2. Digestion of carbohydrates.
3. Write the components and complexes of electron transport chain.
4. Gluconeogenesis.
5. Hyperlipoproteinemias.
6. Salvage pathway of purine biosynthesis.
7. Deamination reaction.
8. Functions and deficiency manifestations of Vitamin D.
9. Sickle cell anaemia.
10. Biochemical functions of thyroid hormone.
