

[LL 1017]

OCTOBER 2017

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. Explain the Inborn errors of protein metabolism.
2. Classify carbohydrates with example and add a note on its functions.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Sources and functions of Fat soluble vitamins.
2. Michaelis Menten equation.
3. Free radical in human pathology and disease.
4. Nutritional importance of proteins.
5. Beta oxidation of fatty acids.
6. Reactions of tri-carboxylic acid cycle.
7. Factors affecting enzyme activity.
8. Cell surface receptors and second messengers.
9. Differentiate IDDM and NIDDM.
10. Urea cycle.

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