

[LN 1018]

OCTOBER 2018

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. Classify enzymes and describe the factors affecting enzyme activity.
2. Discuss the various levels of protein structure with examples.

**II. Write notes on:**

**(10 x 6 = 60)**

1. List the components of electron transport chain and their inhibitors.
2. Mention the functions of phospholipids and give two examples.
3. Brief on urea cycle disorders.
4. List the functions of Vitamin A.
5. Explain Calcium homeostasis.
6. Brief on Galactosemia.
7. List the natural and diet derived antioxidants.
8. What are the fates of cholesterol?
9. Describe the metabolic significance of Hexose Monophosphate Shunt Pathway.
10. What are anaplerotic reactions?

\*\*\*\*\*