

QP Code:103103

Reg.No.:.....

**PG Degree Examinations in Biochemistry (MD) - June 2015**

**Paper III – Nutrition and Metabolism**

**Time: 3 hrs**

**Max marks:100**

- ***Answer all questions***
- ***Draw diagrams wherever necessary***

**Essays:**

**(20)**

1. Discuss in detail the sources, biochemical function, metabolism, recommended dietary allowances, deficiency manifestations and toxicity symptoms of vitamin D.

**Short essays:**

**(8x10=80)**

2. Explain briefly the role of enzymatic antioxidants
3. Describe the structure and clinical significance of Lp(a)
4. Metabolic functions of erythrocytes
5. Metabolic functions of adipose tissue
6. Functions and metabolism of vitamin C
7. Describe the processes involved in the dissolution of fibrin clot.
8. Hexose monophosphate shunt pathway and its significance
9. Hyperuricemias

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