

QP Code:103103

Reg.No.:.....

**PG Degree Examinations in Biochemistry (MD) - May 2014**

**Paper III – Nutrition and Metabolism**

**Time: 3 hrs**

**Max marks:100**

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

**Essays:** (20)

1. Name the sources, requirement, functions and deficiency manifestations of vitamin B<sub>1</sub> (thiamine).

**Short essays:** (8x10=80)

2. Digestion and absorption of proteins and its disorders.
3. Rappaport-Leubering cycle.
4. Disorders associated with purine metabolism.
5. Types of jaundice and tests to differentiate each.
6. Ketogenesis.
7. Dietary fibers.
8. Types of porphyria. Add a note on acute intermittent porphyria.
9. Obesity and its complications.

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