

**QP Code:104103**

**Reg.No.:.....**

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

**Paper IV - Clinical Biochemistry & Endocrinology**

**Time: 3 hrs**

**Max marks:100**

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

**Essays:** (20)

1. Describe the biochemical basis and control of atherosclerosis. Add a note on diagnostic importance of isoenzymes of CK and ALP.

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

2. Hypoglycaemia and alcohol intoxication
3. Clinical significance of proteinuria
4. Interpretation of CSF analysis
5. Biochemical basis of fatty liver
6. Describe the role of laboratory in the diagnosis and management of inborn errors of lipoprotein metabolism
7. Serum sample of an 18 years old boy was analysed and the report is as under:  
Bilirubin: 20 mg/dL, AST: 250 U/L, ALT: 280 U/L, ALP: 180 U/L  
Interpret the enzyme levels and identify the underlying defect. What is the significance of AST: ALT ratio.
8. Clinical interpretation of TSH in thyroid function test
9. Organic acidurias

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