

[LD 1013]

**OCTOBER 2013**  
**M.Sc NON-MEDICAL DEGREE EXAMINATION**  
**FINAL YEAR**  
**BRANCH III - BIOCHEMISTRY**  
**PAPER III – CLINICAL BIOCHEMISTRY**

**Sub. Code: 2968**

*Q.P. Code : 282968*

**Time : 3 hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on :**

**(2X20=40)**

1. Classify Lipoproteins? Detail its function and add a note on the disorders associated with it.
2. Detail the Preanalytical errors encountered in a clinical Laboratory?

**II. Write Notes on :**

**(10X6=60)**

1. Role of hormones in plasma glucose regulation.
2. Metabolic derangement in galactosemia.
3. Obesity and associated complication.
4. Parathyroid hormones and its function.
5. Amniotic fluid analysis.
6. Estimation of amylase and its significance.
7. Tests used in the diagnosis of nephritic syndrome.
8. Principle and application of flame photometry.
9. Functions and disorders of copper.
10. Glycogen storage disorders.

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