

[LK 0517]

MAY 2017

Sub. Code: 1251

**M.Sc. MEDICAL LABORATORY TECHNOLOGY EMAMS
FIRST YEAR
PAPER I – GENERAL BIOCHEMISTRY, MEDICAL LABORATORY
TECHNOLOGY**

Q.P. Code: 281251

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: (2 x 20 = 40)

1. Discuss the initiation, elongation and termination of transcription. Give an account of post transcriptional modifications. Mention the inhibitors of transcription.
2. Define and classify enzymes. Explain enzyme inhibition in detail with example.

II. Write notes on: (10 x 6 = 60)

1. Lipoproteins.
2. Metabolic changes in Diabetes mellitus.
3. Synthesis of catecholamines.
4. Causes, features and diagnosis of ketosis.
5. TCA cycle and its significance.
6. Glycosaminoglycans.
7. Quality management in laboratory.
8. Biochemical functions and deficiency manifestations of Vitamin A.
9. Phenylketonuria.
10. Components and Inhibitors of electron transport chain.
