

[LJ 0816]

AUGUST 2016

Sub. Code: 5002

**B.Sc. MEDICAL LABORATORY TECHNOLOGY
FIRST YEAR
PAPER II – BASIC CHEMISTRY**

Q.P. Code: 725002

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Classification of proteins based on their physical properties.
2. Water soluble Vitamins.
3. Explain the structure and function of RNA.

II. Write notes on:

(8 x 5 = 40)

1. Purines.
2. Biological significance of fats.
3. Classification of Lipids.
4. Oils and fats.
5. Vitamin deficiency.
6. Co enzymes.
7. Carbohydrates.
8. Albumin by BCG method.

III. Short answers on:

(10 x 3 = 30)

1. Saturated fatty acids.
2. DNA.
3. Glucose.
4. Test for carbonate.
5. Lipo protein.
6. Essential and Non essential Amino acids.
7. Calorific value.
8. Partition chromatography.
9. Nitrogen balance.
10. Fiber.
