

[LK 0217]

FEBRUARY 2017

Sub. Code: 5017

B.Sc. MEDICAL LABORATORY TECHNOLOGY

SECOND YEAR

PAPER II – BIOCHEMISTRY - I

Q.P. Code: 725017

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Write the dietary source, daily requirement, functions and deficiency of Iron.
2. Classify diabetes mellitus. Describe in details about the regulation of blood glucose.
3. Describe the source, daily requirement, chemistry and deficiency manifestations of ascorbic acid in the body.

II. Write notes on:

(8 x 5 = 40)

1. Explain electrophoresis.
2. Biosynthesis of haem.
3. Von Grieks disease.
4. Describe the plasma protein.
5. Explain β – thalassaemia.
6. Biochemical analysis of CSF.
7. Write note on serum calcium and its clinical significance.
8. Write in detail about ketone bodies.

III. Short answers on:

(10 x 3 = 30)

1. Beer – Lambert's Law.
2. Name the bile acids and bile salts.
3. Wald's visual cycle.
4. Give the functions of thyroxin.
5. Define Fabry disease.
6. Classify minerals.
7. What is hypoglycemia?
8. Maple syrup urine disease.
9. Function of niacin.
10. Cerebro spinal fluid.
