

(LJ 151)

OCTOBER 2016

Sub. Code:2046

**M.D. DEGREE EXAMINATION
BRANCH XIII – BIOCHEMISTRY**

**PAPER IV – CLINICAL BIOCHEMISTRY, HUMAN NUTRITION,
ENDOCRINOLOGY, IMMUNOLOGY AND RECENT ADVANCES IN
BIOCHEMISTRY**

Q.P.Code: 202046

Time: Three Hours

Maximum: 100 Marks

I. Essay Questions:

(2 x 10 = 20)

1. Describe the Neonatal screening for inborn errors of metabolism.
2. Discuss the role of cardiac markers in assessing myocardial infarction.

II. Short Questions:

(8 x 5 = 40)

1. Glycated haemoglobin.
2. Significance of Anti microsomal antibodies and anti thyroglobulin.
3. How will you diagnose renal tubular Acidosis type I?
4. Multiple myeloma.
5. Balanced diet for lactating Woman.
6. Sickle cell syndrome.
7. Cytochrome p 450.
8. Carboxy haemoglobin.

III. Reasoning Out:

(4 x 5 = 20)

1. Zinc is used for treating Wilson's disease.
2. Lactic acidosis is seen in patients getting biguanides.
3. Diabetic mothers tend to have big babies.
4. Transferrin is used as a better index of protein turnover than albumin.

IV. Very Short Answers:

(10 x 2 = 20)

1. Prostate specific antigen.
2. Anion gap.
3. Histidine load test.
4. Hypokalemia.
5. Role of antioxidants.
6. Activation of vitamin D.
7. Biochemical basis of phototherapy in Physiologic jaundice.
8. Parathyroid function tests.
9. Significance of transketolase activity.
10. Role of chromium.
