

**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. Explain Preclinical and clinical markers of Diabetes Mellitus.
2. Explain the Mechanism of Action of Hormones with suitable examples.

II. Short Questions:

(8 x 5 = 40)

1. Post prandial hypo glycemia.
2. Amylase/creatinine clearance Ratio.
3. Classical Phenyl Ketonuria.
4. Dinitro Phenyl Hydrazine Test.
5. Overload Proteinuria.
6. Clinical Importance of Serum Alkaline Phosphatase.
7. Unconjugated Hyper Bilirubinuria.
8. Cardiac Troponin I.

III. Reasoning Out:

(4 x 5 = 20)

1. There is Peak incidence of Acute Myocardial Infarction in the early morning.
2. Cardiac TroponinT is not effective in early diagnosis of Myocardiac infarction.
3. Sample for Plasma Renin activity should not be kept in ice.
4. Borderline values of Lecithin Sphingomyelin ratio cannot be interpreted.

IV. Very Short Answers:

(10 x 2 = 20)

1. Non Thyroid illness.
2. Screening tests for Cushing syndrome.
3. Lab. Evaluation of Hirsutism.
4. Evaluation of Ovulation.
5. Amniotic fluid alpha - Fetoprotein.
6. Diagnostic Criteria of Gestational Diabetes Mellitus.
7. Self Monitoring of Blood glucose.
8. Dual Phorphyria.
9. Watson Schwartz test.
10. Ovarian Tumour Markers.
