



[LA 505]

FEBRUARY 2012

Sub. Code : 4056

FIRST M.B.B.S. DEGREE EXAMINATION

Revised (Non-Semester) Regulations

PAPER VI – BIOCHEMISTRY - II

Q. P. Code : 524056

Time : 180 Minutes

Maximum: 50 Marks

Answer **ALL** questions in the same order.

I. Elaborate on :

1. Describe the metabolism of tyrosine.
Name the inborn errors associated with this pathway. **(10 x 1 = 10)**
2. Enumerate the liver function tests and how Vanden Bergh test distinguishes different types of jaundice. **(5 x 1 = 5)**

II. Write notes on:

(10 x 2 = 20)

1. Post translational modifications.
2. Electrophoresis.
3. Repair mechanism of DNA.
4. Salvage pathway of Purine synthesis.
5. Functions of Glucocorticoids.
6. Functions of albumin.
7. Precipitation reactions of Proteins.
8. Tubular function tests.
9. Role of Kidney in regulating the pH of blood.
10. Immunoglobulins.

III. Short Answers on :

(15 x 1 = 15)

1. Restriction Endonucleases.
2. Mutagens.
3. Lesch Nyhan Syndrome.
4. Denaturation of Proteins.
5. Differences between DNA and RNA.
6. What are the enzymes required for DNA replication.
7. What is the principle of affinity Chromatography.
8. What are the causes of respiratory acidosis.
9. Maple syrup urine disease.
10. Urea clearance.
11. Bence Jones Protein.
12. What are Oncogenes?
13. Beer – Lambert's Laws.
14. What are the forces that stabilize secondary structure of Proteins.
15. Name the basic Amino Acids.

