

[LJ 505]

AUGUST 2016

Sub.Code : 4056

**FIRST YEAR M.B.B.S. DEGREE EXAMINATION
PAPER VI – BIOCHEMISTRY - II**

Time: Three hours

Q.P. Code: 524056

Maximum : 50 Marks

Answer All Questions

I. Essay:

(1 x 10 = 10)

1. Name the important buffer systems in the body. Describe in detail the role of lungs and kidneys in maintenance of acid base balance.

II. Write notes on:

(2 x 5 = 10)

1. Write about post transcriptional processing. Mention about post transcriptional inhibitors.
2. Describe about the various patterns of diseases in protein electrophoresis.

III. Short answers on:

(10 x 3 = 30)

1. Carcinoid syndrome.
2. Write about urea cycle disorders.
3. Write about acute phase and negative acute phase protein.
4. What are the derivatives of aromatic amino acids? Write about serotonin.
5. High anion gap metabolic acidosis.
6. Write about alpha I antitrypsin and diseases associated with it.
7. Important functions of serine.
8. Types of DNA repair mechanism. Write in detail about any one repair mechanism.
9. OXPHOS (Oxidative phosphorylation) diseases.
10. Hybridoma technology & its application.
