



[MBBS 0221]

FEBRUARY 2021

Sub.Code :6056

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

Q.P. Code: 526056

Time: Three hours

Maximum: 100 Marks (80 Theory + 20MCQs)

Answer All Questions

I. Essay:

(2 x 15 = 30)

1. What is the normal pH of blood? Discuss how the pH of blood is maintained.
2. Discuss the metabolism of Phenylalanine. Write a note on the inborn error associated with Phenylalanine.

II. Write notes on:

(10 x 5 = 50)

1. Compounds derived from Glycine and their functions.
2. Hyperammonemias.
3. Copper metabolism and its applied aspects.
4. Telomerase and its application.
5. Lesch-Nyhan syndrome.
6. Inhibitors of Purine nucleotide biosynthesis.
7. Metabolic Acidosis.
8. Absorption of dietary Iron.
9. Biochemical features of Cancer cells.
10. Conjugation reactions in Xenobiotics.