

[MBBS 08234

AUGUST 2024

Sub. Code : 6056

M.B.B.S. DEGREE EXAMINATION

(For the candidates admitted from the Academic Year 2020 -2021 Onwards)

**FIRST YEAR – (CBME)
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. Briefly explain the Glomerular function tests of the Kidney with suitable clinical applications. Add a note on Immunological tests in renal disease.
2. An adolescent girl presents with subluxation of lens and mental retardation. On Examination, she is tall, thin and with elongated limbs. One of her sisters has similar complaints. Her Serum Homocysteine level is 1500 $\mu\text{mol/L}$.
 - a) What is the probable diagnosis?
 - b) What are the causes and types of that illness?
 - c) What are the Lab Investigations?

II. Write notes on:**(10 x 5 = 50)**

1. Markers of Obstructive Liver Disease.
2. Microalbuminuria.
3. Respiratory Regulation of Plasma pH.
4. Generation of Free Radicals in our body.
5. Precipitation of Proteins.
6. Alkaptonuria.
7. Orotic Aciduria.
8. Cell Cycle.
9. Brief the products derived from Glycine.
10. Reverse Transcriptase PCR.
