

[LL 505]

NOVEMBER 2017

Sub.Code : 5056

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

Q.P. Code: 525056**Time: Three hours****Maximum : 50 Marks****Answer All Questions****I. Essay:****(1 x 10 = 10)**

1. Brief about the conversion of phenylalanine to tyrosine. Describe in detail about phenylketonurias.

II. Write notes on:**(5 x 4 = 20)**

1. DNA repair mechanism.
2. Glutathione.
3. Tests to assess renal tubular function.
4. Polymerase chain reaction.
5. Metabolic acidosis.

III. Short answers on:**(10 x 2 = 20)**

1. Applications of electrophoresis.
2. Lesch–Nyhan's syndrome.
3. Products formed from glycine.
4. Maple syrup urine disease.
5. Inhibitors of transcription.
6. Histamine.
7. Gamma amino butyric acid.
8. Phase II reaction of xenobiotics.
9. Functions of parathormone.
10. Nitric oxide.
