

[LR 505]

AUGUST 2020

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. Write in details about the Importance, Applications and Steps of Polymerase Chain Reaction.

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

1. Collagen
2. ABG and Interpretation of Results
3. Genetic Code
4. a) Name the Enzyme defect in Classical phenyl Ketonuria
b) Clinical features of PKU c) Name 2 test to detect PKU
5. Cytochrome P 450 enzyme systems- Functions and Properties like Induction by drugs

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

1. Name 2 lab test to detect sickle cell disease.
2. Name 2 differences of B form and A form DNA
3. a) Normal Creatinine clearance value in Adult
b) One condition associated with increased Creatinine clearance
4. Form of Folic Acid involved in Purine Synthesis
5. a) Normal reference range of a) Blood Urea b) Serum Creatinine
c) Urea / Creatinine Ratio d) 24 hours urinary excretion of creatinine in adult.
6. a) Expand RFLP b) Clinical uses of RFLP
7. Name 2 markers of obstructive of Jaundice.
8. Name 2 post translational modification
9. Name 2 Antioxidant enzymes
10. a) Mineral Required for DNA Polymerase activity b) Rifampian Blocks
_____ of Transcription process.
