

[LF 505]

AUGUST 2014

Sub.Code : 4056

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

**Time: Three hours**

*Q.P. Code: 524056*

**Maximum : 50 Marks**

**Answer All Questions**

**I. Essay:**

**(1x10=10)**

1. Discuss in detail the replication of DNA. Mention the inhibitors of replication.

**II. Write Notes on:**

**(2 x 5=10)**

1. Transamination reaction and its significance.
2. Homocystinuria.

**III. Short Answers on:**

**(10 x3=30)**

1. Bicarbonate buffer system
2. Hyperkalemia
3. Define electrophoresis and mention its applications
4. Renal tubular function tests
5. Urinary findings in jaundice
6. Methemoglobin
7. Structure of immunoglobulin
8. Regulation of heme synthesis
9. Operon concept
10. Define PCR and mention its four applications

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