

[LP 505]

NOVEMBER 2019

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. Describe the primary, secondary, tertiary and quaternary structure of proteins.

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

1. Renal function tests.
2. Metabolism of catecholamines.
3. Metabolic alterations induced by alcohol metabolism.
4. Functions of proteins and enzymes involved in DNA replication.
5. Tests done to assess biosynthetic functions of liver.

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

1. Cystinuria.
2. Transamination.
3. Principle of electrophoresis technique.
4. Four synthetic analogues of purine and pyrimidine bases used as therapeutic agent.
5. DNA finger printing.
6. Oxygen dissociation curve of hemoglobin.
7. Markers of cholestasis.
8. Henderson - Hasselbalch equation.
9. Laboratory diagnosis of multiple myeloma.
10. Mechanism of action of allopurinol.

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