

[LN 505]

AUGUST 2018

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 detail about ammonia production, transport and disposal. Add a note on disorders of urea cycle.

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

1. Tests done to assess synthetic functions of liver.
2. Properties of genetic code.
3. Respiratory acidosis.
4. Importance and applications of recombinant DNA technology.
5. Proteinuria.

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

1. Importance of transamination reaction.
2. Causes of secondary gout.
3. Enzymes as tumour markers.
4. Point mutation.
5. Denaturation reactions of proteins.
6. Cystinosis.
7. Melatonin.
8. Normal value of plasma osmolality and urine osmolality.
9. Orotic aciduria.
10. Cell cycle.

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NOVEMBER 2018

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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 briefly the mechanisms by which the pH of the body fluids is regulated. Add a note on acid base disturbances with examples.

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

1. Post translational modifications with examples.
2. Blotting techniques.
3. Classify jaundice based on liver function tests.
4. Structure of collagen.
5. Classes of Immunoglobulins.

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

1. Structure of tRNA.
2. Lead poisoning.
3. Secondary hyperuricemias.
4. Draw normal protein electrophoretic pattern.
5. Secondary structure of proteins.
6. Classification of aminoacids based on metabolic fate.
7. Hartnup's disease.
8. Microalbuminuria and its importance.
9. Reactive oxygen species.
10. DNA fingerprinting.
