

[LT 504]

NOVEMBER 2020
M.B.B.S. DEGREE EXAMINATION
FIRST YEAR
PAPER V – BIOCHEMISTRY - I

Sub.Code :5055

Time: Three hours

Q.P. Code: 525055

Maximum : 50 Marks

Answer All Questions

I. Essay:

(1 x 10 = 10)

1. Explain the Regulation of Blood Glucose in Starvation and well fed state.

II. Write notes on:

(5 x 4 = 20)

1. Reverse Cholesterol Transport and Anti - Atherogenic effect of HDL.
2. Wald's Visual Cycle and Deficiency Manifestation of Vitamin A.
3. IsoEnzymes - Definition and Examples.
4. Active Transport with Examples.
5. Metabolism of Ketone Bodies.

III. Short answers on:

(10 x 2 = 20)

1. Name of difference between Coenzyme and Cofactor.
2. Insulin and its Clinical importance.
3. Name a) Vth complex of ETC .
b) One inhibitor of complex III
4. a) Chylomicrons are rich in _____
b) Apo Protein of chylomicron are _____
5. Write 2 important difference between Ricketes and Ostomalacia.
6. What is the role of gamma - Carboxylation in coagulations.
7. Name the enzyme defect in 1) Niemann Pick disease 2) Gaucher disease.
8. Name two components of metabolic syndrome.
9. Name the enzyme defect in Pentosuria.
10. Name of the defect in Refsum's Disease.
