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[LJ 504] AUGUST 2016 Sub. Code : 4055

FIRST M.B.B.S. DEGREE EXAMINATION

PAPER V – BIOCHEMISTRY - I

Q. P. Code : 524055

Time : Three hours **Maximum: 50 Marks**

Answer **ALL** questions.

I. Essay : **(1 x 10 = 10)**

1. Describe the digestion and absorption of carbohydrates. Briefly write the metabolic fate of pyruvate.

II. Write notes on: **(2 x 5 = 10)**

1. Metabolism of LDL.
2. Mode of action of enzymes.

III. Short answers on: **(10 x 3 = 30)**

1. Inhibition of ATP synthesis.
2. Wald's visual cycle.
3. Biochemical functions of vitamin C.
4. Functions of phosphorus.
5. Calcitonin.
6. Define BMR and mention the factors affecting it.
7. Consequences of diabetic ketosis.
8. Membrane proteins.
9. Coenzyme activity of biotin.
10. Lecithin cholesterol acyltransferase (LCAT).

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