

[LL 504]

AUGUST 2017

Sub.Code :5055

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

*Q.P. Code: 525055***Time: Three hours****Maximum : 50 Marks****Answer All Questions****I. Essay:****(1 x 10 = 10)**

1. Write in detail about metabolism and regulation of ketone bodies. Add a note on diabetic ketoacidosis.

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

1. Significance of hexose mono phosphate shunt.
2. Galactosemia.
3. Dietary fiber.
4. Reverse cholesterol transport.
5. Iron absorption.

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

1. Uncouplers of electron transport chain.
2. Beriberi.
3. Niemann-Pick disease.
4. Any two mucopolysaccharides –location and its functions.
5. Rapoport Luebering shunt.
6. Glycated hemoglobin.
7. Essential fatty acids.
8. Reactions catalyzed by biotin.
9. Anti-oxidant vitamins and minerals.
10. Wilson's disease.

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