

**QP CODE: 103326**

**Reg. No: .....**

**First Year Pharm D Degree Supplementary Examinations  
December 2017**

**Medicinal Biochemistry**

**Time: 3 Hours**

**Total Marks: 70**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essay**

**(3x10=30)**

1. Explain Embden-Meyerhof-Parnas pathway (EMP).
2. Discuss Watson and Crick model of DNA.
3. Explain  $\beta$  – oxidation in fatty acids.

**Short notes:**

**(8x5=40)**

4. Krebs-Henseleit cycle.
5. Mechanisms of enzyme action.
6. Galactose tolerance test.
7. Structure and functions of mRNA.
8. Atherosclerosis
9. Van den Bergh reaction.
10. Any two liver function tests.
11. Explain the transport systems across the cell membrane

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