

[LI 803]

APRIL 2016

Sub. Code: 3803

**PHARM. D DEGREE EXAMINATION**  
**(2009-2010 Regulation)**  
**FIRST YEAR**  
**PAPER III – MEDICINAL BIO-CHEMISTRY**

*Q.P. Code : 383803*

**Time : Three hours**

**Maximum : 70 Marks**

**I. Elaborate on :**

**(4 x 10 = 40)**

1. Define Enzymes. Describe the various factors affecting Enzyme activity.
2. Write briefly about HMP shunt pathway.
3. What are Ketone bodies? Write in detail about the formation and utilization of Ketone bodies.
4. Write the biosynthesis of Purine nucleotides.

**II. Write notes on :**

**(6 x 5 = 30)**

1. Explain in detail about ATP and its biological significance.
2. Oxidative Phosphorylation.
3. Explain the Vanden Bergh reaction.
4. Lipoproteins.
5. What is Dehydration? Write the different types of Dehydration.
6. Write a short note on Clearance tests.

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