

[LB 803]

OCTOBER 2012

Sub. Code: 3803

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION**FIRST YEAR****PAPER III – MEDICINAL BIOCHEMISTRY***Q.P. Code: 383803***Time: Three Hours****Maximum: 100 marks****Answer ALL questions in the same order.****I. Elaborate on :**

Pages (Max.)	Time (Max.)	Marks (Max.)
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1. Explain the Hexose Monophosphate (HMP) Shunt.

Add a note on its significance.

17 40 min. 20

2. Explain the various functions of liver.

Elaborate any two liver function tests.

17 40 min. 20

II. Write notes on:

1. Write a note on Creatinine clearance test.

4 10 min. 6

2. Discuss Radio Immuno Assay.

4 10 min. 6

3. Discuss Adenosine triphosphate (ATP) as an energy rich compound.

4 10 min. 6

4. Discuss the diagnostic applications of iso-enzymes.

4 10 min. 6

5. Write a note on Diabetes mellitus.

4 10 min. 6

6. Write a note on Hypercholesterolemia.

4 10 min. 6

7. Explain the collection of blood samples in a clinical chemistry laboratory.

4 10 min. 6

8. Enumerate the factors affecting enzyme activity.

4 10 min. 6

9. Explain Oxidative phosphorylation.

4 10 min. 6

10. What are the features of Genetic code.

4 10 min. 6
