

[LA 803]

APRIL 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 Time Marks
(Max.) (Max.) (Max.)**

1. Write a detailed note on the Urea cycle with reactions.
Mention its major metabolic disorders. 17 40 min. 20
2. Explain the semi conservative replication of a double
stranded DNA molecule. Add a note on its repair
mechanism. 17 40 min. 20

II. Write notes on :

1. Explain the Van den Bergh reaction. 4 10 min. 6
2. Discuss the biological significance of cyclic – adenosine
monophosphate (c-AMP). 4 10 min. 6
3. Write a note on Atherosclerosis. 4 10 min. 6
4. Explain the mechanism of Transamination. 4 10 min. 6
5. Explain the biochemical organisation of a cell. 4 10 min. 6
6. Enumerate the IUB classification of enzymes with example. 4 10 min. 6
7. Explain the Galactose tolerance test. 4 10 min. 6
8. What are the various types of Porphyrrias. 4 10 min. 6
9. Write a note on Urine analysis. 4 10 min. 6
10. Write a note on Urea clearance. 4 10 min. 6
