

[KZ 803]

OCTOBER 2011

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.)**

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|---|----|---------|----|
| 1. a) Reactions of Oxidative Phosphorylation.
b) Components of respiratory chain.
c) Chemiosmotic theory. | 17 | 40 min. | 20 |
| 2. a) Reactions of TCA.
b) Energetics of TCA.
c) Reactions of β Oxidation. | 17 | 40 min. | 20 |

II. Write notes on :

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| 1. Active transport. | 4 | 10 min. | 6 |
| 2. Structure of cholesterol and its functions. | 4 | 10 min. | 6 |
| 3. Determination of sodium in serum. | 4 | 10 min. | 6 |
| 4. Transamination. | 4 | 10 min. | 6 |
| 5. Porphyrins. | 4 | 10 min. | 6 |
| 6. Purine catabolism. | 4 | 10 min. | 6 |
| 7. Maple syrup urine and alcatonuria. | 4 | 10 min. | 6 |
| 8. ELISA. | 4 | 10 min. | 6 |
| 9. Vandenburg. | 4 | 10 min. | 6 |
| 10. Creatinine clearance test. | 4 | 10 min. | 6 |
