

[LB 803]

OCTOBER 2012
PHARM. D DEGREE EXAMS
FIRST YEAR
PAPER III – MEDICINAL BIOCHEMISTRY
Q.P. Code : 383803

Sub. Code: 3803

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

Pages Time Marks
(Max.)(Max.)(Max.)

- | | | | |
|--|----|----|----|
| 1. Explain the Hexose Monophosphate (HMP) Shunt. Add a note on its significance. | 17 | 40 | 20 |
| 2. Explain the various functions of liver. Elaborate any two liver function tests. | 17 | 40 | 20 |

II. Write notes on:

- | | | | |
|--|---|----|---|
| 1. Write a note on Creatinine clearance test. | 4 | 10 | 6 |
| 2. Discuss Radio Immuno Assay. | 4 | 10 | 6 |
| 3. Discuss Adenosine triphosphate (ATP) as an energy rich compound. | 4 | 10 | 6 |
| 4. Discuss the diagnostic applications of iso-enzymes. | 4 | 10 | 6 |
| 5. Write a note on Diabetes mellitus. | 4 | 10 | 6 |
| 6. Write a note on Hypercholesterolemia. | 4 | 10 | 6 |
| 7. Explain the collection of blood samples in a clinical chemistry laboratory. | 4 | 10 | 6 |
| 8. Enumerate the factors affecting enzyme activity. | 4 | 10 | 6 |
| 9. Explain Oxidative phosphorylation. | 4 | 10 | 6 |
| 10. What are the features of Genetic code. | 4 | 10 | 6 |
