

[KY 803]

MAY 2011

Sub. Code: 3803

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION**(Regulations 2008-2009)****(Candidates admitted from 2008-2009 onwards)****FIRST YEAR****PAPER III – MEDICINAL BIOCHEMISTRY*****Q.P. Code: 383803*****Time: Three Hours****Maximum: 70 marks****Answer ALL questions****I. Elaborate on:****(2 x 20 = 40)**

1. a) Define enzymes.

Classify them and describe the factors affecting enzyme activity. **(14)**

b) What are coenzymes?

Describe the biochemical role of niacin and pyridoxine. **(6)**2. a) Define lipids and Explain beta oxidation of fatty acids with its energetics. **(14)**b) Atherosclerosis. **(6)****II. Write notes on:****(6 x 5 = 30)**

1. Explain in detail about ATP and its biological significance.

2. Write a brief note on metabolic disorders of carbohydrates.

3. Radio immuno assay.

4. Hyperbilirubinemia.

5. Lipoproteins - Types and functions.

6. HMP Shunt- A brief account.
