

[KV 803]

SEPTEMBER 2009

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 and classify enzymes. Discuss the various factors affecting enzyme activity.
b) Explain Glycolysis with its energetics.
2. a) What are ketone bodies. Write in detail about Ketogenesis.
b) Discuss in detail about radioimmuno assay & enzyme linked immunosorbent assay.

II. Write notes on:**(6 x 5 = 30)**

1. Oxidative phosphorylation.
2. Urea – cycle.
3. Replication.
4. Vanden – Berg reaction.
5. Lipoproteins.
6. Urine concentration tests.
