

[KY 801]

MAY 2011

Sub. Code: 3801

**DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION****(Regulations 2008-2009 )****(Candidates admitted from 2008-2009 onwards)****FIRST YEAR****PAPER I – HUMAN ANATOMY AND PHYSIOLOGY*****Q.P. Code: 383801*****Time: Three Hours****Maximum: 70 marks****Answer ALL questions****I. Elaborate on:****(2 x 20 = 40)**

1. a) Discuss about pancreatic islets and its hormones functions.

Explain the diabetes mellitus and its complications.

b) Explain the structure of skin with labelled diagram.

Write about the functions of skin.

2. a) Explain the menstrual cycle. **(7)**b) Draw the neat diagram of heart and label it. **(2)**Explain the structure of heart. **(6)**Discuss about the blood flow process in the heart. **(5)****II. Write notes on:****(6 x 5 = 30)**

1. White blood cells and its function.

2. Define following terms:

a) Megaloblastic anaemia.

b) Hypertension.

c) Gastritis.

d) Osteoarthritis.

3. Salivary glands and its functions.

4. Clotting mechanism.

5. Adrenal medulla.

6. Disorders of pituitary glands.

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