

[LC 801]

APRIL 2013

Sub. Code: 3801

**DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION****FIRST YEAR****PAPER I – HUMAN ANATOMY AND PHYSIOLOGY***Q.P. Code: 383801***Time: Three Hours****Maximum: 100 marks****Answer All questions****I. Elaborate on:****(2 x 20 = 40)**

1. With a labelled diagram explain the parts of nephron.  
Explain the mechanism of urine formation.
2. Explain the stages of erythropoiesis.  
Explain the life cycle of RBCs.

**II. Write notes on:****(10 x 6 = 60)**

1. Draw a labeled diagram of innominate bone and describe it.
2. Spleen and its functions.
3. Pulmonary circulation.
4. Lung volumes.
5. Structure and functions of pancreas.
6. Reflex arc.
7. Functions of glucocorticoids.
8. Genetic basis of sex determination.
9. Physiology of vision.
10. Physiology of muscle contraction.

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