

[LA 801]

APRIL 2012

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 in the same order.****I. Elaborate on :****Pages Time Marks  
(Max.) (Max.) (Max.)**

1. Draw a neat labeled diagram of different parts of nephron.  
Explain the mechanism and hormones regulating urine formation. 17 40 min. 20
2. Discuss the anatomy of pituitary gland and name the hormones secreted by pituitary gland Describe briefly the physiological functions and abnormalities of growth hormone. 17 40 min. 20

**II. Write notes on :**

1. Briefly explain the Rennin Angiotensin system and its importance in blood pressure maintenance. 4 10 min. 6
2. Write the Non auditory functions of ear and name the nerves of audition. 4 10 min. 6
3. Explain the factors controlling erythropoiesis. 4 10 min. 6
4. Define the following terms: a) Atherosclerosis b) Oliguria c) Jaundice d) Apnoea e) Leucocytosis f) Ataxia. 4 10 min. 6
5. Discuss the transport of oxygen in blood.  
What are the factors influencing oxygen dissociation curve? 4 10 min. 6
6. List out the cranial nerves and its functions. 4 10 min. 6
7. Name the clotting factors. Add a note on clotting and bleeding disorders. 4 10 min. 6
8. Describe the physiological changes during severe exercise. 4 10 min. 6
9. Anatomy and functions of liver. 4 10 min. 6
10. Write a note contraceptive device. 4 10 min. 6

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