

[KZ 801]

OCTOBER 2011

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. Describe the anatomy of lungs and physiology of respiration with diagram. | 17 | 40 min. | 20 |
| 2. What are the endocrine glands of our body and give their functions?       | 17 | 40 min. | 20 |

**II. Write notes on :**

- |  |   |         |   |
|--|---|---------|---|
| 1. Enumerate the functions of blood.                                     | 4 | 10 min. | 6 |
| 2. Write the vital centres in brain.                                     | 4 | 10 min. | 6 |
| 3. Explain in brief structure and functions of skin.                     | 4 | 10 min. | 6 |
| 4. Write the various types of clotting factors.                          | 4 | 10 min. | 6 |
| 5. Write a note on   |   |         |   |
| a) Hypothalamus  |   |         |   |
| b) Cranial nerves.   | 4 | 10 min. | 6 |
| 6. Describe briefly about the mechanism of micturition.                  | 4 | 10 min. | 6 |
| 7. Write a note on electrocardiogram.                                    | 4 | 10 min. | 6 |
| 8. Write about muscle in exercise.                                       | 4 | 10 min. | 6 |
| 9. Discuss about any three disorders involved in gastrointestinal tract. | 4 | 10 min. | 6 |
| 10. Write three phases involved in gastric juice.                        | 4 | 10 min. | 6 |

\*\*\*\*\*