

[LB 801]

OCTOBER 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.)**

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| 1. Describe the mechanism of coagulation of blood with clotting factors involved. How do intrinsic and extrinsic pathways differ? Add note on erythropoietin. | 17 | 40 min. | 20 |
| 2. Explain in detail about the mechanism and regulation of respiration. Explain the following terms:
(i) End Diastolic Volume (EDV).
(ii) Vital Capacity (VC).
(iii) Glomerular Filtration Rate. | 17 | 40 min. | 20 |

II. Write notes on :

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| 1. Name the elementary tissues of the human body and give their silent features. | 4 | 10 min. | 6 |
| 2. Define Micturition. Explain the mechanism of Micturition. | 4 | 10 min. | 6 |
| 3. What are the various refractive errors of eye?
How it can be corrected? | 4 | 10 min. | 6 |
| 4. Explain with a diagram the knee joint. | 4 | 10 min. | 6 |
| 5. Explain various phases of ECG. | 4 | 10 min. | 6 |
| 6. Name the hormones of adrenal gland.
Add note on Addison's disease. | 4 | 10 min. | 6 |
| 7. Discuss the digestion and absorption of proteins. | 4 | 10 min. | 6 |
| 8. Explain Oogenesis. | 4 | 10 min. | 6 |
| 9. Write the physiological functions of sympathetic system. | 4 | 10 min. | 6 |
| 10. Draw a neat labeled diagram of human brain structure. | 4 | 10 min. | 6 |
