

[LB 801]

**OCTOBER 2012**  
**PHARM. D DEGREE EXAMS**  
**FIRST YEAR**  
**PAPER I – HUMAN ANATOMY AND PHYSIOLOGY**  
*Q.P. Code : 383801*

**Sub. Code: 3801**

**Time : 3 hours**  
**(180 Min)**

**Maximum : 100 marks**

**Answer ALL questions in the same order.**

**I. Elaborate on :**

	<b>Pages (Max.)</b>	<b>Time (Max.)</b>	<b>Marks (Max.)</b>
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	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	20

**II. Write notes on :**

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

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