

[LJ 801]

OCTOBER 2016

Sub. Code: 3801

**PHARM. D DEGREE EXAMINATION**  
**(2009-2010 Regulation)**  
**FIRST YEAR**  
**PAPER I – HUMAN ANATOMY AND PHYSIOLOGY**

*Q.P. Code : 383801*

**Time : Three hours**

**Maximum : 70 Marks**

**I. Elaborate on:**

**(4 x 10 = 40)**

1. Discuss the mechanism of coagulation of blood with clotting factors involved. Add a note on Intrinsic and Extrinsic pathways.
2. With a neat labeled sketch, explain the anatomy of human Brain. Write the functions of Cerebrospinal fluid.
3. Discuss in detail the structure and physiological functions of Thyroid gland.
4. Explain in detail the various phases involved in the regulation of Gastric secretion. Add a note on digestion and absorption of Proteins.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Write a note on the conduction system of Heart.
2. Write a note on Spermatogenesis.
3. Explain the functions of Parasympathetic system.
4. Name the bones of Skull. Write the sutures of Skull.
5. Explain the physiology of hearing.
6. Write a note on drugs and athletics.

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