

First Year B.Pharm Degree Supplementary Examinations , July 2015

**(2010 - Scheme)**

**HUMAN ANATOMY AND PHYSIOLOGY**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Draw diagrams wherever necessary.

**Essay**

**(3x10=30)**

1. Draw a diagram of brain and label its parts. Enumerate the functions of brain. Mention any two disorders related to brain functions.
2. Draw and label the parts of respiratory system. Discuss the mechanism of respiration.
3. Draw a labeled diagram showing various parts of gastro intestinal tract. Explain the functions of various digestive enzymes. Define any two disorders related to digestion

**Short notes**

**(14x5=70)**

4. Define joints and classify it with suitable examples. Add a note on ball and socket joint
5. Parts of conductive system of heart.
6. Discuss the anatomy and physiological functions of pancreas
7. Define vital capacity and mention its normal value.
8. list the functions of Thyroid Gland
9. Describe the functions of skin
10. Explain how carbohydrates are digested.
11. Name the hormones of adrenal cortex and mention the functions of any one in detail.
12. Spermatogenesis
13. Compare and contrast between sympathetic and parasympathetic system.
14. Describe the composition and functions of blood
15. Enumerate various hormones of anterior pituitary. Add a note on prolactin.
16. Explain mechanism of micturation
17. Factors regulating blood pressure

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