

**QP CODE:101326**

**Reg.No:** .....

First Year Pharm D Degree Supplementary Examinations - March 2013

**Human Anatomy and Physiology**

**Time: 3 Hours**

**Total Marks: 70**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essay**

**(2x10=20)**

1. List the different types of blood cells and mention its normal values. Discuss briefly the pathways of coagulation. (3+7=10)
2. What are the various parts of the human digestive system. Describe the mechanism of absorption of fat in the body. (4+6=10)

**Short notes:**

**(10x3=30)**

3. Composition and functions of pancreatic juice.
4. Process of spermatogenesis.
5. Difference between sympathetic and parasympathetic nervous system.
6. Cranial Nerves and their functions
7. Describe structure of a nephron
8. Skin and its functions
9. Ovarian changes during menstrual cycle.
10. Functions of thyroid hormones
11. ABO system of blood grouping
12. Disorders of joints

**Answer briefly:**

**(10x2=20)**

13. Contraceptive devices
14. Describe cardiac cycle
15. Erythropoiesis.
16. Anabolic steroids.
17. List the functions of stomach.
18. What is • angina pectoris • hypertension.
19. Mention the effect of exercise on respiratory system.
20. Enlist the major digestive hormones.
21. .What is GFR and mention its normal value.
22. Physiology of micturition.

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