

First Year B. Pharm Degree Supplementary Examinations, April 2012

Human Anatomy and Physiology

Time: 3 Hrs

Max. Marks: 100

- Answer all questions
- Draw diagrams wherever necessary

Essays: (2x10=20)

1. Draw a neat sectional diagram of heart and label the inner parts. Define two cardiac disorders.
2. Describe the outflow and functions of autonomic nervous system with special reference to its sympathetic division.

Short Notes: (10x5=50)

3. Discuss the mechanism of blood coagulation.
4. Define and classify joints and add a note on ball and socket joint.
5. Discuss the anatomy and physiological functions of liver.
6. Explain the physiology of menstruation.
7. Explain the physiology of hearing.
8. Explain about the digestion of fats and carbohydrates.
9. Explain the structure and functions of skin.
10. Describe briefly the mechanism of micturation.
11. Types of leucocytes and their functions.
12. Fat soluble vitamins and their importance in the diet.

Answer Briefly: (10x3=30)

13. Briefly discuss the gross anatomy of cerebellum and mention its functions.
14. Mean arterial blood pressure.
15. The physiological role of aldosterone.
16. Tidal volume and vital capacity.
17. Reflex arc.
18. Neuromuscular junction.
19. The anatomy of uterus.
20. Mention the last three cranial nerves and its functions.
21. Write on any three disorders of vision.
22. Name the hormones of thyroid gland and mention its functions.