

First Year B.Pharm Degree Examinations - September 2013

(2012 - Scheme)

HUMAN ANATOMY AND PHYSIOLOGY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Write equations wherever necessary.

Essay

(3x10=30)

1. Explain the endometrial changes occurring during a menstrual cycle and hormonal changes.
2. Explain the structure and functions of the ear with suitable diagram.
3. Draw a labeled diagram of the pelvic bone and describe it.

Short notes

(14x5=70)

4. Classify the body tissue according to the structure and function.
5. Draw a neat labeled diagram of skin and explain the function.
6. Function of cerebrospinal fluid.
7. Hormonal regulation of blood pressure.
8. Functions of the hormones secreted by 'neurohypophysis'
9. Anemia
10. Functions of hypothalamus
11. Explain the events that occur in inhalation and exhalation.
12. Different types of salivary glands and explain the functions of saliva.
13. Explain the role of kidneys in maintaining acid-base balance.
14. Structure and function of leukocytes.
15. Define stroke volume and cardiac output
16. Explain the following : • Oliguria • Anuria
17. Explain protein digestion.
