

2012 Scheme

QP CODE: 114006

Reg. No:

First Year B. Pharm Degree Supplementary Examinations June 2023 Human Anatomy and Physiology

Time: 3 Hours

Total Marks: 100

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary

Essay

(3x10=30)

1. Define blood and write any two physical characteristics of blood. Explain the composition of blood. (3+7)
2. Describe the anatomy of spinal cord with neat labelled diagram.
3. With a neat labelled diagram, explain the internal anatomy of the kidneys. Define and explain the physiology of micturition reflex. (6+4)

Short notes

(14x5=70)

4. Define sagittal plane, frontal plane and transverse plane.
5. Define and classify connective tissue.
6. List out the functions of the bones.
7. Write any two specific functions of leukocytes. What are the different types of leukocytes.
8. Write a short note on spermatogenesis.
9. List out the functions of thyroid hormones
10. Draw a neat labelled diagram of a neuron.
11. Describe the anatomy and physiology of the urinary bladder
12. What is Electrocardiogram. Explain the significance of waves, intervals and segments in an Electrocardiogram.
13. Define a joint. What are the different types of synovial joints.
14. What is angina, myocardial infarction, CHF and pernicious anaemia.
15. Write a short note on ABO blood grouping.
16. Define tidal volume, inspiratory reserve volume, Expiratory reserve volume and vital capacity.
17. How are carbohydrates digested in the gastrointestinal tract
