

First Year B.Sc MLT Degree Regular/Supplementary Examinations
November 2024
(Anatomy and Physiology)
Physiology
(2016 Scheme)

Time: 2 Hours

Total Marks: 50

- *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 (10)

1. Describe the steps of erythropoiesis and the factors regulating it. (5+5)

Short notes (5x5=25)

2. Describe the functions of growth hormone. Add a note on acromegaly.
3. Explain the mechanisms of synaptic transmission.
4. Describe conducting system of heart with the help of a diagram.
5. Classify the White Blood Cells (WBCs). Add a note on phagocytosis.
6. Describe the O₂-Hb dissociation curve.

Answer briefly (5x3=15)

7. Functions of saliva.
8. Draw a labelled diagram of visual pathway.
9. Functions of hypothalamus.
10. Pregnancy tests.
11. Juxta-glomerular apparatus (JGA).
