

**First Year B.Sc MLT Degree Regular/Supplementary Examinations
January 2023**

(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. Explain the composition and functions of gastric juice. Add a note on the phases of secretion and control of secretion of gastric juice. (5+5)

Short notes

(5x5=25)

2. Reabsorption of water at the renal tubule.
3. List the hormones of pituitary gland. Explain the functions of growth hormone.
4. Define blood pressure, write the normal values. Briefly describe one mechanism of its regulation.
5. Explain the extrinsic pathway of blood coagulation.
6. Describe the transportation of carbon dioxide by blood.

Answer briefly

(5x3=15)

7. Draw and label electrocardiogram.
8. Name the refractory errors of the eye.
9. List the functions of leukocytes.
10. List the functions of placenta.
11. Give the flow chart of sequence of events in synaptic transmission.
