

## First Year B.Sc MLT Degree Supplementary Examinations May 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. Define cardiac cycle. Describe the phases of cardiac cycle. Draw and label the normal ECG waves.

(1+5+4)

**Short notes**

(5x5=25)

2. Explain the neural regulation of respiration.
3. What are the refractive errors of eye. How are they corrected.
4. Describe mismatch blood transfusion. Add a note on Rh incompatibility.
5. List the hormones of endocrine pancreas. Explain the functions of insulin.
6. Describe the synthesis of gastric HCl (Hydrochloric acid). How is it regulated.

**Answer briefly**

(5x3=15)

7. Clotting time (CT).
8. Dialysis.
9. Functions of the middle ear.
10. Functions of placenta.
11. Lumbar puncture.

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