

**First Year B.Sc MLT Degree Supplementary Examinations  
December 2023**

**(Anatomy and Physiology)**

**Physiology**

**(Common for 2010 and 2012 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 hemostasis. What are the different steps of hemostasis. With a flow chart describe the coagulation pathways.

**Short notes**

**(5X5=25)**

2. Lung volumes and capacities
3. Phases of deglutition
4. Origin and spread of the cardiac impulse
5. Factors regulating glomerular filtration rate
6. Functions of growth hormone

**Answer briefly**

**(5x3=15)**

7. Resting Membrane Potential (RMP)
8. Reflex arc
9. Physiological changes occurring on exposure to cold
10. Errors of refraction
11. Functions of placenta

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