

**QP CODE: 112012**

**Reg. No: .....**

**First Year B.Sc MLT Degree Regular/Supplementary Examinations  
December 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. Define Glomerular Filtration Rate (GFR). Describe the factors affecting it. Add a note on functions of kidney. (1+5+4)

**Short notes**

**(5x5=25)**

2. Briefly describe ovarian and uterine cycle.
3. Describe erythropoiesis.
4. Describe the mechanisms for transport across the cell membrane.
5. Functions of thyroid hormone. Add a note on cretinism.
6. Describe the spread of cardiac impulse using a diagram.

**Answer briefly**

**(5x3=15)**

7. Functions of cerebrospinal fluid (CSF)
8. Functions of bile.
9. Cyanosis.
10. Neutrophil
11. Functions of the middle ear.

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