

**First Year B.Sc MLT Degree Supplementary Examinations  
August 2022**

**(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) and describe the factors affecting it. Add a note on measurement of GFR. (1+5+4)

**Short notes**

**(5x5=25)**

2. Describe the functions of plasma proteins.
3. Explain mechanism of synaptic transmission.
4. Describe mechanism of oxygen transport.
5. What are the functions of liver
6. Briefly describe the menstrual (uterine and ovarian) cycles

**Answer briefly**

**(5x3=15)**

7. Lumbar puncture.
8. Functions of saliva.
9. Haemophilia.
10. Define cardiac output. What is the normal value.
11. List the hormones of the pituitary gland.

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