

**First Year B.Sc MLT Degree Regular/Supplementary Examinations  
March 2021**

**(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 what is the normal value. Describe the factors affecting GFR. Enumerate functions of kidney. (2+5+3)

**Short notes**

**(5x5=25)**

2. Explain the functions of placenta.
3. Explain Landsteiner's law. What is Rh incompatability.
4. Explain the stages of spermatogenesis and the factors influencing it.
5. Explain the hormones of endocrine pancreas. Explain functions of insulin.
6. Describe neuro muscular junction with the help of a diagram.

**Answer briefly**

**(5x3=15)**

7. Visual receptors.
8. Peristalsis.
9. Resting membrane potential.
10. Gigantism.
11. Color vision.

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