

QP CODE: 107012

Reg No: .....

**First Year B.Sc MLT Degree Supplementary Examinations  
September 2018**

**Physiology**

**(2015 Scheme)**

**Time: 2 Hours**

**Total Marks: 50**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essay**

**(10)**

1. What is the normal platelet count. List the functions of platelet. Describe the important mechanisms of blood coagulation. **(1+4+5)**

**Short notes**

**(5x5=25)**

2. Define cardiac cycle. Name its different phases with normal duration.
3. Oxygen dissociation curve and factors affecting it.
4. Endocrine functions of hypothalamus.
5. Reabsorption of sodium in renal tubules.
6. Transmission across neuromuscular junction.

**Answer briefly**

**(5x3=15)**

7. Gastrin
8. Sex differentiation in fetal life
9. Three important properties of neuron
10. Visual receptors
11. Lumbar puncture.

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