

QP CODE: 107012

Reg No:

**First Year B.Sc MLT Degree Supplementary Examinations,
September 2017**

**PHYSIOLOGY
(2015 Scheme)**

Time: 2 Hours

Total Marks: 50

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay (10)

1. Define blood pressure and mention its normal values. Briefly describe its regulation. How will you determine it in human beings. (2+2+4+2)

Short notes (5x5=25)

2. Describe the methods of oxygen transport in the blood. Draw an oxygen dissociation curve.
3. List the composition of gastric juice and how it is controlled.
4. Enumerate the hormones secreted from thyroid gland. Mention three important physiological actions of any one of them.
5. Define synapse and what are the different types of synapses. Describe the synaptic inhibitions.
6. What are the basic principles of recording of ECG. Draw a normal ECG.

Answer briefly (5x3=15)

7. Mechanisms of glucose reabsorption in renal tubules.
8. Enumerate the functions of hypothalamus.
9. Describe the visual receptors and their functions.
10. Describe the functions of placenta.
11. How much is normal platelet count. What is its role in preventing blood loss.
