

First Year B.Sc MLT Degree Examinations September 2018

Physiology

(2016 Scheme)

Time: 2 Hours

Total Marks: 50

- Answer all questions.
- Draw diagrams wherever necessary.

Essay

(10)

1. Describe the process of transportation of oxygen from the lungs to the tissues by the blood. Add a note on oxygen-hemoglobin dissociation curve. (6+4)

Short notes

(5x5=25)

2. Define arterial blood pressure and mention the normal values. Explain the factors influencing BP.
3. Explain the intrinsic mechanism of blood coagulation.
4. Explain formation, circulation, composition and functions of cerebrospinal fluid.
5. Explain the transmission of impulses across a neuromuscular junction with the help of a neat diagram.
6. Explain the role of insulin in the regulation of blood glucose level.

Answer briefly

(5x3=15)

7. Name the common errors of refraction of eyes. Mention their corrections.
8. What is the physiological basis of pregnancy diagnosis test.
9. Draw and label a reflex arc.
10. List the functions of basal ganglia.
11. Define glomerular filtration rate with its normal value.
