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The Assam Royal Global University, Guwahati

Royal School of Medical and Allied Sciences

BMLT/DMLT, 1st Semester

Semester End Examination, January 2023

Course Title : Physiology-I

Course Code : BML232C102

Time: 3 Hours

Maximum Marks: 70

Note: Attempt all questions as per instructions given.

The figures in the right-hand margin indicate marks.

Section – A

Q.1. Attempt all questions. (Maximum word limit 50)

2 x 8

- Define active and passive transport mechanism.
- What is endocytosis?
- What is the function of heart?
- What is the role of myocardium in human heart?
- Define motor units.
- What is the difference between tendons and ligament?
- Define cerebrum?
- What are the parts of neuron?

Section – B

Q.2. Attempt any one of the following:

12 x 1

- Draw the structure of cell. Explain the role and function of different cell organelles with respective diagram.
- Define homeostasis. Explain on the role of various systems involve and the types of feedback mechanism.

Q.3. Attempt any two of the following:

7 x 2

- Define blood. Mention the properties of blood along with composition and function.
- Define immunity. Explain in detail about innate and acquired immunity.
- Define hematopoiesis. Illustrate and explain the different stages and function.

Q.4. Attempt any two of the following:

7 x 2

- Define synapse. Explain in details the different types of synapses.
- Write a brief note on neuro muscular system.
- Describe on nerve muscle.

Q.5. Attempt any two of the following:

7 x 2

- Discuss on the blood brain barrier.
- Describe the special senses and also mention the disorders involve.
- Explain on peripheral nervous system.