

Rani Rashmoni Green University
M. Sc. First Semester Examination
Subject: Medical Laboratory Science and Technology
Human Anatomy and Physiology

Course code: MLT-102

FM – 40 Marks

1. Answer any four of the followings:

2×4 =8

- a) Write the name of two major types of sweat glands.
- b) Mention the purpose of lumbar puncture.
- c) Define hypertension.
- d) State the physical characteristics of human semen.
- e) What is Oxyhemoglobin?
- f) Name two hormones of anterior pituitary gland.

2. Answer any four of the following: 4×4=16

- a) Briefly describe the process of carbohydrate digestion in human GI tract.
- b) How does the kidney maintain acid-base balance in your body?
- c) Describe the histological structure of a human active thyroid gland.
- d) What is GFR? State the factors affecting the GFR.
- e) Briefly explain the steps of spermatogenesis.
- f) Mention the components of the axial skeletal system.

3. Answer any two of the following:

2×8=16

- a) How does the body regulate blood pressure?
- b) Briefly describe the histology and function of testis.
- c) Illustrate the hormonal regulation of the menstrual cycle.
- d) Briefly explain the process of oxygen transport from lung to tissue level.