

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (Radiology & Imaging Technology) (Sem.-1)

BASICS OF PHYSIOLOGY-I

Subject Code : BRIT-102-21

M.Code : 91364

Date of Examination : 14-01-2023

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **EIGHT** questions carrying **TWO** marks each.
2. **SECTION-B** contains **EIGHT** questions carrying **FOUR** marks each and students have to attempt any **SIX** questions.
3. **SECTION-C** will comprise of two compulsory questions with internal choice in both these questions. Each question carries **TEN** marks.

SECTION-A

1. Write briefly:

- a) Functions of saliva
- b) Gastric secretions
- c) Rh system
- d) Red Blood Cells
- e) Cardiac muscle
- f) Erythropoiesis
- g) White Blood cells
- h) Hemostasis

SECTION-B

2. Define Cardiac Output and factors affecting it.
3. Discuss factors affecting Lung volumes, capacities and vital capacity.

4. Describe digestion and absorption of Carbohydrates.
5. Write a note on ABO blood group system and Rh system.
6. Explain in detail types of Jaundice and its causes.
7. Write a detailed note on Cyanosis.
8. Write a detailed note on CPR.
9. Explain in detail Anemia and its classification.

SECTION-C

10. Write a note on Physiological Anatomy and functions of salivary gland and GIT.

OR

Discuss Transport of Oxygen and Carbon-Dioxide along with forms of transportation as well as factors affecting transportation.

11. Write a note on Heart sounds-normal beat sounds, its causes and areas of auscultations.

OR

Write a note on ECG and its normal waves, Physiological variations along with its measurement.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.