

Roll No.

Total No. of Pages : 02

Total No. of Questions : 11

B.Sc. (Radiology & Imaging Technology) (Sem.-2)

BASICS OF PHYSIOLOGY-II

Subject Code : BRIT-202-21

M.Code : 91925

Date of Examination : 15-12-22

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 a brief note on the following :**
- a) Draw and labelled different parts of neurons.
 - b) Signs and symptoms of diabetes mellitus.
 - c) Formula of GFR.
 - d) Receptors.
 - e) Spermatogenesis.
 - f) Properties of nerve fibres.
 - g) Classify different type of muscles.
 - h) Menstrual cycle.

SECTION-B

2. Write a brief note on autonomic nervous system.
3. Describe in detail the structure and function of kidney.

4. Write a note on ovulation.
5. Discuss the physiological anatomy of thyroid gland.
6. Describe the structure and functions of cerebellum.
7. Write a short note on micturition reflex.
8. Write a brief note on neuromuscular junction.
9. What are the hormones from adrenal gland?

SECTION-C

10. What is diabetes and explain in detail about the types and its pathological condition?

OR

Describe the steps involved in Excitation - contraction coupling.

11. Write a brief note on Central Nervous System.

OR

Discuss the anatomy of ear and physiology of hearing.

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