

Roll No.

Total No. of Pages : 02

Total No. of Questions : 11

Bachelor of Optometry (Sem.-1)

BASICS OF PHYSIOLOGY-I

Subject Code : BOPT 102-21

M.Code : 91439

Date of Examination : 17-01-2023

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) Define Physiology.
 - b) Write constituents of Blood.
 - c) What is Cardiac Output?
 - d) Enlist various functions of stomach.
 - e) Define erythropoiesis.
 - f) Define stroke volume.
 - g) Define alveoli.
 - h) What is pace maker?

SECTION-B

- Describe the physiology of liver.
- Write the functions of RBC, WBC and platelets.
- Write a short note on artificial respiration.
- How are proteins digested in the body?

6. Write a short note on anemia.
7. What is cyanosis? Explain its various types.
8. Describe various events of a typical cardiac cycle.
9. What is ABO system?

SECTION-C

10. Draw a neat diagram and describe the organs of digestive system.

OR

Along with a well labelled diagram of heart, explain the double circulation in cardiovascular system.

11. Explain the various types of joints and their movements.

OR

Write a short note on:

- a) transfusion reaction
- b) mechanism of blood clotting.

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.