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Total No. of Pages : 02

Total No. of Questions : 11

Bachelor of Science (Cardiac Care Technology) (Sem.-1)

BASICS OF PHYSIOLOGY-I

Subject Code : BCCT 102-21

M.Code : 91417

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) Intrinsic mechanism of coagulation.
- b) Define Vital Capacity.
- c) Define Pulse.
- d) What are enzymes involved in the digestion of fats?
- e) What are the functions of gallbladder?
- f) Define cardiac output and stroke volume.
- g) Define alveoli.
- h) What is pace maker?

SECTION-B

2. Describe the physiology of liver.
3. Explain the ABO system.
4. Describe various events of a typical cardiac cycle.
5. How are proteins digested in the body?

6. Write about various types of anaemia.
7. Define hypoxia. Write about the types and effects of hypoxia.
8. Write a note on artificial respiration.
9. Explain the functions and composition of gastric juice.

SECTION-C

10. Explain the process of digestion and absorption of fats.

OR

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

11. Discuss physiology of white blood cells and platelets.

OR

Explain the mechanism of breathing along with exchange of gases in respiratory system.

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.