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Total No. of Pages : 02

Total No. of Questions : 11

B.Sc. (MTAOT) (Sem.– 2)
HUMAN ANATOMY AND PHYSIOLOGY-II
Subject Code : BAOTT-201-21
M.Code : 91745
Date of Examination : 13-12-22

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** Attempt all Question. Each Carry 10 marks.

SECTION-A

1. Write briefly :

- a. Enlist the various functions of Pharynx.
- b. What is cardinal principle?
- c. Illustrate the functions of lymph node.
- d. What are different functions of stomach?
- e. Describe the different steps involve in urine formation.
- f. Define Tidal volume.
- g. What do you mean homeostasis?
- h. What is the role of ions in fluid balance?

SECTION-B

2. Describe the functional anatomy and functions of the small intestine.
3. Elaborate on the structure of the kidney and its functions.
4. Enlist the functions of electrolytes in fluid balance.

5. Write a short note on spleen and thymus gland.
6. Discuss in brief the regulation of respiration.
7. Write a short note on pleural cavity and intrapleural pressure.
8. Give the composition and functions of gastric juices.
9. Explain the various stages of menstrual cycle.

SECTION-C

10. Discuss in detail about the anatomy and physiology of male reproductive system.

Or

Briefly explain the anatomy of the liver and the functions of the gall bladder.

11. Draw a neat diagram and explain about the urinary system. Add a note on the functional unit of urinary system.

Or

Explain in detail about the cardiac circulation. Describe conducting system of heart.

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.