

Roll No.

Total No. of Pages : 02

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B.Sc. (Operation Theatre Technology) (Sem.-2)

HUMAN ANATOMY AND PHYSIOLOGY-II

Subject Code : BSOT201-19

M.Code : 79836

Date of Examination : 04-07-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

1. Write briefly :

- a) Enlist the various taste buds with their location.
- b) What is the general principle of fluid balance?
- c) Write down the different layers of an alimentary tract with their functions.
- d) What do you mean by hepatocytes and canaliculi?
- e) Describe the composition of urine.
- f) Define gametogenesis and spermatogenesis.
- g) What are the different functions of placenta?
- h) What is all & none principle?
- i) What are different functions of thyroid gland?
- j) Illustrate the constituents of gastric juice.

SECTION-B

2. Write a short note on the structure and functions of eye.
3. What do you mean by electrolytes? What are different functions of electrolytes? How electrolytes imbalance leads to fluid imbalance?
4. Describe in brief the anatomy and physiology of Liver.
5. Illustrate the different steps involves in urine formation and excretion with suitable diagram.
6. Write down the location and structure of Pancreas.

SECTION-C

7. Discuss in detail about the anatomy and physiology of female reproductive system.
8. Draw well labelled diagram of neuron. What is the difference between myelinated Neuron and non-myelinated neuron? Write structure and functions of cerebellum.
9. Explain the physiology of digestion and absorption of carbohydrates and protein.

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.