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Total No. of Printed Pages: 1

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B Sc. (Anesthesia Technology) (Semester –2nd)

HUMAN ANATOMY AND PHYSIOLOGY-II

Subject Code: BANTS1202

Paper ID: [21132307]

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

Q1. Attempt the following:

- a. Define heterodont teeth.
- b. Write down any one function of pharynx and epiglottis.
- c. What do you mean by Oxygenated blood?
- d. Define BMR.
- e. Define spermatogenesis.
- f. Write any two functions of spleen.
- g. Which artery and vein is known as aorta and vena cava respectively?
- h. What are digestive enzymes?
- i. What are the main excretory organs?
- j. Define homeostasis.

Section – B

(5 marks each)

- Q2. Describe the functions and structure of nephron with diagram.
- Q3. Which fluids are considered as the body fluids and what are the significances of body fluids and electrolytes in the body?
- Q4. Write down the functions of liver and kidney in brief.
- Q5. Describe the structure of Human heart along with its circulation.
- Q6. What is lymphatic system and which organs are included in its composition? Write any two functions of lymph nodes, spleen, tonsils and thymus gland

Section – C

(10 marks each)

- Q7. Discuss the composition and functions of blood in details. What are the two types of blood pressures?
- Q8. Describe the female reproductive system and its each part along with diagram.
- Q9. What is respiratory system? Write down the functions and structure of trachea, bronchi and alveoli.