Roll No……..….. **Total No. of Printed Pages: 1**
Total No. of Questions: [09]

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 it's 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 it's each part along with diagram.
Q9. What is respiratory system? Write down the functions and structure of trachea, bronchi and alveoli.