



**UNIVERSITY EXAMINATIONS**  
**SECOND YEAR EXAMINATION FOR THE AWARD OF THE**  
**DEGREE OF BACHELOR OF SCIENCE IN FORENSIC BIOLOGY**  
**SECOND SEMESTER 2022/2023**  
**[JANUARY-APRIL, 2023]**

**BFBT 223/BMED 111: HUMAN ANATOMY AND PHYSIOLOGY**

**STREAM: Y2S2**

**TIME: 3 HOURS**

**DAY: THURSDAY, 2:00 – 5:00 PM**

**DATE: 30/03/2023**

**INSTRUCTIONS**

- 1. Do not write anything on this question paper.*
- 2. Answer Question ONE and any TWO other Questions.*

**SECTION A:**

**ATTEMPT ALL THE QUESTIONS. 40 MARKS**

1. Identify **FIVE (5)** functions of the digestive systems **5 Marks**
2. Distinguish between metabolic and respiratory alkalosis **4Marks**
3. Briefly discuss the cardiac cycle **6Marks**
4. Explain the functions of **FIVE (5)** endocrine glands in human beings **5Marks**
5. Describe the external organs of the female reproductive system **6Marks**
6. Explain the control of respiration **6 Marks**
7. Outline **FOUR (4)** causes of male infertility **4Marks**
8. Illustrate **TWO (2)** factors that influence stroke volume **4Marks**

**SECTION B:**

**ATTEMPT ONLY TWO QUESTIONS: 30 MARKS**

- 9.** Discuss tissue types in human beings **15Marks**
- 10.** Discus the role of the hypothalamic pituitary complex **15Marks**  
Illustrate the hormones of the gonads **15Marks**
- 11.**
- 12.** Outline structure and functions of the conducting zone in the Human respiratory system **15Marks**