



# **GRE TSA UNIVERSITY - THIKA**

**UNIVERSITY EXAMINATIONS  
SEPTEMBER - DECEMBER 2021**

**DIPLOMA IN PUBLIC HEALTH**

**COURSE CODE: DIPH 013**

**COURSE TITLE: HUMAN ANATOMY AND PHYSIOLOGY**

**DATE: 16 NOVEMBER 2021**

**TIME: 3:00 PM – 6:00 PM**

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**INSTRUCTIONS TO CANDIDATES**

1. SECTION A IS **COMPULSORY**.
2. SECTION B: ANSWER ANY OTHER **THREE** QUESTIONS.
3. **DO NOT** WRITE ANYTHING ON THIS QUESTION PAPER AS IT WILL BE AN EXAM IRREGULARITY.
4. ALL ROUGH WORK SHOULD BE AT THE BACK OF YOUR ANSWER BOOKLET AND CROSSED OUT.

**CAUTION:** *All exam rooms are under CCTV surveillance during the examination period.*

## SECTION A: COMPULSORY

### MULTIPLE CHOICE QUESTIONS [1-5]

[ONE MARK EACH]

1. Which of the following is **NOT** part of the endocrine system ?
  - A. Pancreas
  - B. Pineal body
  - C. Hypothalamus
  - D. Liver
2. Which of the following is a function of the skeletal system?
  - A. Protection of organs
  - B. Production of digestive enzymes
  - C. Regulating of hormones
  - D. Excretion of waste
3. Which of the following is not an accessory organ in the digestive system?
  - A. Salivary gland
  - B. Tongue
  - C. Teeth
  - D. Pharynx
4. Which of the following is not a characteristic of life?
  - A. Absorption
  - B. Digestion
  - C. Differentiation
  - D. Death
5. Which of the following is not a directional term in anatomy?
  - A. Posterior
  - B. Anterior
  - C. Besides
  - D. Superior

### SHORT ANSWER QUESTIONS: ANSWER ALL QUESTIONS IN THIS SECTION

1. Differentiate between the axial skeleton and appendicular skeleton [6 Marks]
2. State the hormones produced by the anterior lobe of the pituitary gland [6 Marks]
3. Discuss 2 health conditions of the cardio vascular system [4 Marks]
4. Outline some of the major organs of the cardiovascular system [5 Marks]
5. State the functions of the nervous system [4 Marks]
6. Highlight the parts of the lower respiratory tract [5 Marks]

7. Explain the movement of air right from breathing in to the alveoli [5 Marks]

**SECTION B**

**[CHOOSE ANY THREE QUESTIONS]**

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**Question One**

- a) Discuss the skeletal system [10 Marks]  
b) Explain the three types of immunity [10 Marks]

**Question Two**

- a) Explain the anatomy and physiology of the reproductive system [10 Marks]  
b) Using a diagram, explain the function of the skin as part of the integumentary system [10 Marks]

**Question Three**

- a) Explain the physiology of various parts in the respiratory system [10 Marks]  
b) Discuss five adrenal gland disorders [10 Marks]

**Question Four**

- a) Explain five life processes [10 Marks]  
b) Describe five types of joints and name their locations in the skeletal system [10 Marks]