

# NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

SSC1107

FACULTY OF APPLIED SCIENCES

BACHELOR OF SCIENCE HONOURS DEGREE EXAMINATIONS

DEPARTMENT OF SPORTS SCIENCE AND COACHING

## THEORY: SSC1107: PRINCIPLES OF HUMAN ANATOMY

FEBRUARY 2010

3 HOURS (100 MARKS)

### INSTRUCTIONS

Answer **four** questions only. Each question carries 25 marks. Where a question contains subdivisions, the mark value for each subdivision is given in brackets. Illustrate your answer where appropriate with large, clearly labeled diagrams.

1. In figures 1-5 label the various anatomical structures as directed in each figure. (25marks)
  
2. Describe the anatomical structure (articulations, muscles, and innervations) of the pelvic girdle. (25 marks)
  
3. a) Write an essay on the anatomical structure of diarthrotic joints. (10 marks)  
b) Describe the various kinds of diarthrotic joints found in the human body. (15marks)
  
4. a) List the spinal nerve composition of each of the plexuses arising from the spinal cord. (12 marks)  
b) Describe the layout of nerves in the human body. (13 marks)
  
5. a) Write an essay on the anatomy of the lung. (13 marks)  
b) List the endocrine glands and indicate where they are located in the body. (12marks)
  
- 6) Explain the structural organization of the pectoral girdle that enables movement of the humerus. (25marks)

END OF EXAMINATION