

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF MEDICINE

MEDICAL SCHOOL

BACHELOR OF MEDICINE AND BACHELOR OF SURGERY DEGREE
PART I EXAMINATIONS

(MHO 1102) : SKELETON & MOVEMENT

DATE : DECEMBER 2005

TIME : 3 HOURS

Instructions to Candidates

Answer **all** questions

SECTION A

1. Describe the anatomy of the humerus. List the important vessel and nerve relationships. (20)
2. Discuss the femoral sheath. (20)

SECTION B

1. Describe the lymphatic drainage of the breast and its clinical significance. (5)
2. Write short notes on the axillary artery. (5)
3. Describe the scapular anastomosis. (5)
4. Describe how trisomy 21 arises. (5)
5. Describe the blood supply of the head of the femur. (5)
6. Write short notes on the various types of epithelia, giving examples of anatomical location of each. (5)

7. Name a multiaxial joint in the upper limb, the axes and basic motions. (3)
8. What do you understand by “all or none law” in relation to skeletal muscle contraction? (3)
9. Briefly describe the motor unit. (3)
10. What is the fastest rate of discharge of impulse of anterior horn cells employed in voluntary movement? (3)
11. Explain Hilton’s law of joint innervation. (3)
12. Name the muscles connecting the upper limb with the vertebral column. (3)
13. Give the origin, insertion and nerve supply of infraspinatus muscle. (3)
14. The hand consists of four layers; name them from the superficial to the deep. (3)
15. Name the four scapular muscles forming the Rotator cuff, Briefly Explain the function of the Rotator Cuff. (5)
16. Describe the Uniperimate, Bipерimate and Multiperimate skeletal muscular formation. (5)
17. The Hand of man differs from other creatures functionally. Briefly explain this statement. (5)
18. Indicate the muscle gradings in skeletal muscle testing. Explain each grade. (5)
19. Name the five muscles in the superficial group of flexor compartment of the forearm and their Nerve Supply. (5)