

CHUKA



UNIVERSITY

**FIRST YEAR EXAMINATIONS FOR THE
BACHELOR OF SCIENCE (NURSING)**

NURU 112: HUMAN ANATOMY II

STREAMS: Bsc. Nursing Upgrading (Y1S1)

TIME: 2 HOURS

DAY/DATE:

INSTRUCTIONS TO CANDIDATES

- Do not write anything on the question paper.
- Mobile phones and any other reference materials are **NOT** allowed in the examination room.
- The paper has three (3) Sections. **ALL** the questions are compulsory
- Your answers for Section A (MCQs) should be on the first page of the answer Booklet.
- Number **ALL** your answers and indicate the order of appearance in the space provided in the cover page of the examination answer booklet.

SECTION A: MULTIPLE CHOICE QUESTIONS (20 Marks)

1. In anatomical position:
 - a) Fibula is medial
 - b) Esophagus is anterior to the trachea
 - c) Liver and spleen are ipsilateral
 - d) Humerus is proximal to the radius
2. The largest cavity in the body is:
 - a) Cranial
 - b) Spinal
 - c) Thoracic
 - d) Abdomino-pelvic
3. The abdominal region containing most of the stomach is:
 - a) Umbilical
 - b) Right hypochondriac
 - c) Right lumbar
 - d) Left hypochondriac

4. Organs found in the mediastinum include:
 - a) Spleen, liver
 - b) Lungs, heart
 - c) Heart, thymus
 - d) Liver, lungs
5. Unpaired cranial nerves of the calvaria include:
 - a) Temporal, sphenoid
 - b) Ethmoid, temporal
 - c) Occipital, parietal
 - d) Ethmoid, occipital
6. Neck muscles that move the head include:
 - a) Sternocleidomastoid
 - b) Digastrics
 - c) Omohyoid
 - d) Mylohyoid
7. The suture that separates the two parietal bones is:
 - a) Squamous
 - b) Sagittal
 - c) Frontal
 - d) Coronal
8. Carpal bones constituting the proximal row include:
 - a) Scapula, lunate
 - b) Pisiform, hamate
 - c) Capitate, hamate
 - d) Trapezium, hamate
9. Axillary artery supplies blood to the upper limb. It is a branch of which artery:
 - a) Subclavian
 - b) Vertebral
 - c) Common carotid
 - d) Brachial
10. The nerve that passes through the cubital fossa is:
 - a) Ulnar
 - b) Median
 - c) Musculo-cutaneous
 - d) Radial
11. Trochlea of the humerus forms the elbow joint by articulating with the:
 - a) Olecranon process
 - b) Radius
 - c) Ulna
 - d) Scapula

12. The part of the scapula that overlies the rib cage is:
- a) Glenoid cavity
 - b) Supraspinous fossa
 - c) Infraspinous fossa
 - d) Subcapsular fossa
13. The aortic opening of the diaphragm transmits the descending aorta and:
- a) Thoracic duct
 - b) Vena cava
 - c) Esophagus
 - d) Vagus nerve
14. Part of the sternum that articulates with the first rib is:
- a) Body
 - b) Manubrium
 - c) Xiphoid process
 - d) Sterna angle
15. The apex beat is visible and palpable at the :
- a) 2nd rib
 - b) 2nd intercostals space
 - c) 4th rib
 - d) 5th intercostals space
16. The tarsal bone that articulates with tibia to form talocrural joint is:
- a) Talus
 - b) Calcaneous
 - c) Navicular
 - d) Cuboid
17. Superficial veins of the lower limb include:
- a) Great saphenous
 - b) Median cubital
 - c) Basilica
 - d) Cephalic
18. The nerve that supplies the hamstrings is:
- a) Inferior gluteal
 - b) Sciatic
 - c) Superior gluteal
 - d) Obturator
19. The muscle that makes most of the anterior abdominal wall is:
- a) Transverse abdominis
 - b) Internal oblique
 - c) Rectus abdominis
 - d) External oblique

20. The median raphe that extends from the xiphisternum to the symphysis pubis and provide attachment for abdominal muscles is called:
- a) Transversalis fossa
 - b) Rectus sheath
 - c) Scarpa's fascia
 - d) Linea alba

SECTION B: SHORT ANSWER QUESTIONS (35 Marks)

- 1. Outline four (4) planes that divide the human body into sections 4 marks
- 2. State four(4) features of a typical cervical vertebrae that distinguish it from other vertebrae in the body 4 marks
- 3. Describe blood supply to the superficial structures of the head and neck 5 marks
- 4. Describe the following muscles including their origin, insertion, innervations and action:
 - a) Deltoid 2 marks
 - b) Gluteus maximus 2 marks
 - c) Biceps brachii 2 marks
- 5. Draw a well labeled diagram of a femur 6 marks
- 6. State five(5) features of a female pelvis 5 marks

SECTION C: LONG ANSWER QUESTIONS (15 Marks)

- 1. The thoracic cage consists of several structures among them the ribs. The ribs articulate with the both the sternum and the thoracic vertebrae.
 - a) Describe two (2) types of ribs 5 marks
 - b) Describe five(5) joints involving the ribs 10 marks