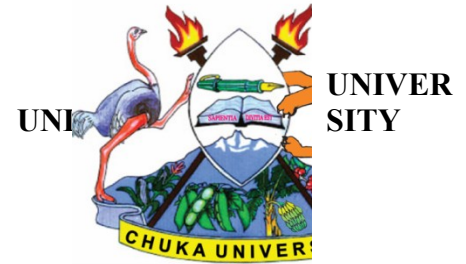


CHUKA



UNIVERSITY EXAMINATIONS

RESIT/SPECIAL EXAMINATION

**FIRST YEAR EXAMINATION FOR THE AWARD OF
BACHELOR OF SCIENCE (NURSING) SUPPLEMENTARY
EXAMINATION**

NURU 112: HUMAN ANATOMY II

STREAMS: BSC NURSING (UPGRADING)

TIME: 2 HOURS

DAY/ DATE: MONDAY 03/05/2021

2.30 P.M – 4.30 P.M

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. The organ that is ipsilateral to the spleen is the:
 - a) Ascending colon
 - b) Descending colon
 - c) Heart
 - d) Liver
2. In anatomical position:
 - a) Tibia is medial to fibula
 - b) Ulna is lateral to the fibula
 - c) Humerus is distal to radius
 - d) Tibia is proximal to femur
3. The organs found in the mediastinum include:
 - a) Lungs, heart

- b) Liver, thymus
 - c) Thymus, oesophagus
 - d) Lungs, oesophagus
4. Branches of the subclavian artery that supply blood to the brain is:
- a) Basilar
 - b) Axillary
 - c) Carotid
 - d) Vertebral
5. Unpaired bones of the calvaria include:
- a) Zygomatic, occipital
 - b) Frontal, occipital
 - c) Parietal, temporal
 - d) Parietal zygomatic
6. Sutures are joints that separate cranial bones. The one that separates the parietal and frontal bone is:
- a) Sagittal
 - b) Coronal
 - c) Lambdoidal
 - d) Squamous
7. Neck muscles that move the head include:
- a) Digastrics
 - b) Omohyoid
 - c) Mylohyoid
 - d) Sternocleidomastoid
8. Which of the following is correct concerning the rotator cuff muscles:
- a) Innervated by the musculocutaneous nerve
 - b) Get blood supply from axillary artery
 - c) Flex and supinate the arm
 - d) Inserted in the radial tuberosity
9. The carpal bones that articulate with the metacarpals include:
- a) Scaphoid
 - b) Lunate
 - c) Hamate
 - d) Pisiform
10. Which of the following nerves is associated with the carpal tunnel:
- a) Median
 - b) Ulna
 - c) Radial
 - d) Axillary
11. Axillary artery supplies blood to the upper limb. It is a branch of which artery:
- a) Vertebral
 - b) Subclavian
 - c) Common carotid
 - d) Brachial
12. When carrying out a chest examination, the apex beat is normally heard at the:

- a) Jugular notch
 - b) 2nd intercostal space
 - c) 5th intercostal space
 - d) Mid-sternal line
13. The total count of vertebrosteral ribs that are typical is:
- a) 7
 - b) 3
 - c) 5
 - d) 2
14. The epidermal layer where melanin is produced is stratum:
- a) Basale
 - b) Lucidum
 - c) Granulosum
 - d) Spinosum
15. Which of the following is true concerning eccrine sweat glands:
- a) Start functioning at puberty
 - b) Open through the hair follicle
 - c) Have the secretory portion in the subcutaneous layer
 - d) More abundant in the palms of the hand
16. The muscle that forms the anterior aspect of the abdomen is:
- a) Rectus abdominis
 - b) Linea alba
 - c) External oblique
 - d) Transversus abdominis
17. Superficial veins of the lower limb include:
- a) Hemiazygos
 - b) Median cubital
 - c) Basilic
 - d) Great saphenous
18. Contents of the inguinal canal in males include:
- a) Testis
 - b) Dartos muscle
 - c) Vas deferens
 - d) Rectus sheath
19. Injury to the sciatic nerve will result in inability to:
- a) Extend the knee
 - b) Flex the hip
 - c) Abduct the leg
 - d) Flex the knee
20. The tarsal bone that articulates with tibia to form talocrural joint is:
- a) Talus
 - b) Calcaneous
 - c) Navicular
 - d) Cuboid

SECTION B: SHORT ANSWER QUESTIONS (35 Marks)

1. Planes refer to imaginary flat surfaces that pass through the body or organs dividing them.
Describe three (3) such planes [6 marks]
2. Describe blood flow to the superficial structures of the head and neck [5 marks]
3. State four(4) features of a typical cervical vertebrae [4 marks]
4. State five (5) joints involving the ribs [5 marks]
5. 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]
6. Outline five (5) differences between male and female pelvis [5 marks]
7. Explain the two (2) layers of the dermis [5 marks]
8. List four (4) epidermal cells indicating a function of each [4 marks]

SECTION C: LONG ANSWER QUESTIONS (15 Marks)

1. a) Draw a well labelled diagram illustrating the parts of a femur [7 marks]
 - b) Describe four (4) joints associated with the lower limb [8 marks]
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