



(University of Choice)

**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)**

SCHOOL OF NURSING AND MIDWIFERY

UNIVERSITY EXAMINATIONS

2021/2022 ACADEMIC YEAR

SEPTEMBER 2021 INTAKE FIRST YEAR SECOND TRIMESTER

FOR THE DEGREE OF BACHELOR OF SCIENCE IN NURSING

COURSE CODE: NCN 122

COURSE TITLE: REGIONAL ANATOMY II

DATE: TUESDAY, 19TH APRIL, 2022

TIME: 11.30AM - 2.30PM

INSTRUCTIONS TO CANDIDATES

Answer all the questions in the three sections

All questions are compulsory

DURATION: 3 Hours

MMUST observes ZERO tolerance to examination cheating

This paper consists of 5 (five) printed pages. Please turn over.

1. All are movements of the vertebral column APART FROM
 - a. Flexion
 - b. Adduction
 - c. Extension
 - d. Rotation

2. The left common carotid arises from which of the following vessels?
 - a. Brachiocephalic trunk.
 - b. Subclavian artery
 - c. Aorta
 - d. Vertebral artery

3. Which muscle does NOT make up the triangle of auscultation at the back?
 - a. trapezius
 - b. latissimus dorsai
 - c. Rhomboid major
 - d. Infraspinatus.

4. The ribs that have costal cartilages and attach directly to the sternum are called?
 - a. Vertebrosteral ribs
 - b. False ribs
 - c. Floating ribs
 - d. Non of the above

5. Which of the following is FALSE about fontanel
 - a. They are present at birth
 - b. They are ossified remnants of membranes
 - c. Anterior fontanel is the largest
 - d. Ossify by 1 ½ - 2 years

6. The two cervical vertebra that differ from the others in physical features are?
 - a. C1 and C2
 - b. C3 and C4
 - c. C5 and C6
 - d. C1 and C7

7. The paired cranial bones are?
 - a. Frontal bones
 - b. Occipital bones
 - c. Parietal bones
 - d. Sphenoid bones

8. Which of the following two nerves don't emerge from the brain stem?
 - a. I and II
 - b. III and IV
 - c. V and VI

- d. VII and VIII
9. Which of the following blood vessels supplies the face?
- a. The internal carotid artery
 - b. The external carotid artery
 - c. The common carotid artery
 - d. The carotid bifurcation
10. The following are true about the cervical plexus APART FROM?
- a. most of the branches are cutaneous nerves
 - b. Supplies anterior neck muscles
 - c. Supplies the diaphragm
 - d. formed by C1-C7 nerves
11. Which of the following curves are convex relative to the front of the body?
- a. Lumbar curves
 - b. Thoracic curve
 - c. Sacral curve
 - d. Coccygeal
12. Which of the following nerves is not a branch of trigeminal nerve?
- a. Ophthalmic
 - b. Maxillary
 - c. auricular
 - d. Mandibular
13. Which of the following is not a muscle of mastication
- a. Epicranius
 - b. Temporalis
 - c. Buccinator
 - d. Masseter
14. Which of the following muscles of the neck is not attached to the cervical vertebrae
- a. Scalene anterior
 - b. Sternocleidomastoid
 - c. Scalene posterior
 - d. Middle scalene
15. Which of the following statement is false about spinal nerves?
- a. A spinal nerve is a mixed nerve, which carries motor, sensory, and autonomic signals between the spinal cord and the body.
 - b. In the human there are 31 pairs of spinal nerves, one on each side of the vertebral column.
 - c. These are grouped into the corresponding cervical, thoracic, lumbar, sacral and coccygeal regions of the spine.
 - d. The spinal nerves are part of the Central nervous system.

16. The anatomical term used to describe nerves crossing from the right side to the left side is?
- Ipsilateral
 - Decussation
 - Contralateral
 - Paired
17. The following are true about the anatomy of respiratory muscles apart from:
- The diaphragm is a minor respiratory muscle.
 - During inhalation, the diaphragm contracts downward and away from the lungs, creating more space in the chest cavity.
 - Sternocleidomastoid muscles are also involved in respiration
 - Intercostal muscles contract and shrink the chest wall during forced exhalation
18. Axial skeleton is composed of all the following EXCEPT?
- Skull
 - Vertebral column
 - Thoracic cage
 - Pelvic girdle
19. Which muscle arises from the superior part of the hyoid bone
- Omohyoid
 - Stylohyoid
 - Sternohyoid
 - Platysma
20. Choose the thoracic muscle involved in expiration
- External intercostals
 - Internal intercostals
 - Levatores Costorum
 - Scalenes

SECTION II: SHORT ANSWER QUESTIONS (40 marks)

- 1: Outline the paranasal sinuses in the human skull (8 marks)**
- 2: Describe briefly the non bony parts of the vertebral column (8 marks)**
- 3: Describe briefly the spinal curvatures (8 marks)**
- 4: describe the anatomy of the hyoid bone and its importance (8 marks)**
- 5: Outline the muscles respiration (8 marks)**

SECTION III: LONG ANSWER QUESTIONS (40 marks)

- 1: Describe the muscles of the back (20 marks)**
- 2: Describe the twelve cranial nerves and the organs they supply (20 marks)**