



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

SCHOOL OF NURSING MIDWIFERY AND PARAMEDICAL SCIENCES

MAIN CAMPUS

**END OF TRIMESTER EXAMS
2023/2024 ACADEMIC YEAR**

**FOR THE DEGREE OF BACHELOR OF
BSC PARAMEDICAL SCIENCES**

**COURSE CODE: NPP 126
COURSE TITLE: HUMAN ANATOMY II**

DATE: 9TH APRIL 2024 TIME: 8-11AM

INSTRUCTIONS TO CANDIDATES

**ALL QUESTIONS IN THE THREE SECTIONS (A, B AND C) ARE
COMPULSORY
DURATION: 3 HOURS**

MMUST OBSERVES ZERO TOLERANCE TO EXAMINATION CHEATING

SECTION A: MULTIPLE CHOICE QUESTIONS (MCQs); 0 MARKS

Choose the most appropriate answer

1. The anatomical location of tarsal means:
 - A) Armpit
 - B) Gluteal region
 - C) Ankle
 - D) Face
2. One following components of the cell is not a cell organelle:
 - A) Cytoplasm
 - B) Mitochondrion
 - C) Golgi apparatus
 - D) Ribosome
3. Which is the hardest tissue of the body?
 - A) Dentine
 - B) Bone
 - C) Enamel
 - D) Cartilage
4. The cytoskeleton of the cell has the following function:
 - A) The part of the cell where protein biosynthesis takes place
 - B) Structure of fibers that maintains the structure of the cell and maintains its shape
 - C) Responsible for the metabolism of the cell
 - D) Place of protein segregation
5. Where is simple squamous epithelium found in the human body?
 - A) Blood vessels
 - B) Wall of glands
 - C) Digestive tract
 - D) Uterus
6. Blood is known as:
 - A) Epithelial tissue
 - B) Connective tissue
 - C) Fluid
 - D) Muscular tissue
7. The nervus Vagus is:
 - A) A cranial nerve
 - B) A spinal nerve
 - C) A sympathetic nerve
 - D) A nerve of the lower limb
8. How many axons can we find in a unipolar neuron?
 - A) Has many axons
 - B) Has only one axon
 - C) Has two axons
 - D) Has many dendrites
9. Where is the mitral valve located ?

- A) Between the right atrium and ventricle
 - B) Between the left atrium and ventricle
 - C) Between the left ventricle and the aorta
 - D) Between the right ventricle and arteria pulmonalis
10. What are dendrites?
- A) Long process of a neuron
 - B) Short branching processes of a neuron
 - C) A neuroglia cell
 - D) The nucleus of a nerve cell
11. Which of the following statement is true?
- A) Cranial nerve No. V innervates the chewing muscles
 - B) Cranial nerve No. V carries the information for the taste of smell
 - C) Cranial nerve No. V innervates the muscles of the tongue
 - D) Cranial nerve No. V carries innervates the muscles of the shoulder
12. Oligodendrocytes are found in
- A) Peripheral nervous system (PNS)
 - B) Central nervous system (CNS)
 - C) Peripheral and central nervous system
 - D) Cerebellum
13. . The subdivision of the nervous system that stands for “flight and fight” is called:
- A) Central nervous system
 - B) Parasympathetic nervous system
 - C) Somatic nervous system
 - D) Sympathetic nervous system
14. The primary motor cortex is located in the:
- A) Parietal lobe
 - B) Frontal lobe
 - C) Occipital lobe
 - D) brainstem
15. A sensory afferent nerve impulse means:
- A) Ascending nerve impulses from the periphery of the body
 - B) Motor impulses
 - C) Sympathetic impulses
 - D) Involuntary impulses from the body
16. The white matter of the spinal cord contains:
- A) Cell bodies of the spinal cord
 - B) Synapses
 - C) Axons/ nerve fibers
 - D) Cerebral fluid
17. The pyramidal tract in the spinal cord carries:
- A) ascending motor impulses
 - B) ascending and descending impulses
 - C) descending sensory impulses

D) involuntary impulses

18. This muscle is an extraocular muscle:

- A) Superior rectus muscle
- B) Orbicularis oculi
- C) Buccalis
- D) Orbicularis oris

19. Which of the auricular ossicles is connected to the tympanic membrane?

- A) incus
- B) malleus
- C) stapes
- D) cochlea

20. The following gland is NOT an endocrine gland

- A) Pituitary gland
- B) Pancreas
- C) Thymus
- D) Sweat gland

SECTION B: SHORT ANSWER QUESTIONS (SAQS)

Answer all the questions

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| 1. Outline the structure of the endocrine system! | 8 marks |
| 2. Explain the subdivisions of the human nervous system? | 8marks |
| 3. Explain the layers of the cornea! | 4marks |
| 4. Describe the localization of the parathyroid glands! | 2marks |
| 5. Outline the major classes of connective tissue of the body! | 8marks |
| 6. Differentiate types of blood cells! | 6marks |
| 7. Explain the general groups of joints found in the human body! | 4marks |

SECTION C: LONG ANSWER QUESTIONS (LAQS); 40 MARKS

Answer all the questions

1.A) Describe the structure of the spinal cord and explain how the spinal nerve exits from the it and serves the body! Use the help a drawing and mark the flow of impulses and the quality of information it carries! 10marks

B) Discuss the meaning of 1st, 2nd and 3rd order neuron! 10 marks

2. A) Explain the function of blood in the human body! Outline the different components and their function! 15 marks

B) Explain the process of haemostasis! 5 marks

END