



(University of Choice)

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

SCHOOL OF NURSING MIDWIFERY AND PARAMEDICAL SCIENCES

MAIN CAMPUS

**SPECIAL/SUPPLEMENTARY EXAMS
2021/2022 ACADEMIC YEAR**

FOR THE DEGREE OF BACHELOR OF SCIENCE IN NURSING

COURSE CODE: NCD 112

COURSE TITLE: HUMAN ANATOMY II (REGIONAL HUMAN ANATOMY)

DATE: 03/10/2022

TIME: 11.30AM – 2.30PM

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); 20 MARKS

Choose the most appropriate answer

1. In the integumentary system, adipose tissue is located in the:
 - A. Hypodermis
 - B. Dermis
 - C. Epidermis
 - D. Basement membrane

2. The Langerhans cells are found in the:
 - A. Stratum corneum
 - B. Stratum lucidum
 - C. Stratum basale
 - D. Stratum spinosum

3. The substance that helps promote mitosis in epidermal skin cells is:
 - A. Keratohyalin.
 - B. Melanin.
 - C. Carotene.
 - D. Epidermal growth factor

4. The body plane that divides it into superior and inferior parts is :
 - A. Transverse plane
 - B. Frontal plane
 - C. Midsagittal plane
 - D. Coronal plane

5. The type of plane that lies vertically and divides body into anterior and posterior parts is:
 - A. Coronal
 - B. Midsagittal
 - C. Ventral
 - D. Transverse

6. The muscle tissues that are under involuntary control are referred to as:
 - A. skeletal
 - B. Cardiac
 - C. Smooth
 - D. Striated

7. Avascular tissues in the body include:
 - A. Nervous tissue

- B. Epithelial tissue
 - C. Muscle tissue
 - D. Connective tissue
8. The type of exocrine gland that forms its secretory product and simply releases it from the cell by exocytosis is the:
- A. Apocrine gland
 - B. Endocrine gland
 - C. Holocrine gland
 - D. Merocrine gland
9. Which of the following is true concerning serous membranes?
- A. The parietal portion of a serous membrane attaches to the organ
 - B. A serous membrane lines a body part that opens directly to the body's exterior
 - C. The visceral portion of a serous membrane attaches to a body cavity wall.
 - D. The serous membrane covering the lungs is known as the pleura.
10. What type of cell junction would be required for cells to communicate with one another?
- A. Tight junction
 - B. Adherens junction
 - C. Gap junction
 - D. Desmosome
11. Which of the following is not a serous membrane?
- A. Mediastinum
 - B. Pericardium
 - C. Pleura
 - D. Peritoneum
12. Which of the following structures are located in the mediastinum:
- A. pleura, trachea
 - B. esophagus, pericardium
 - C. diaphragm, trachea
 - D. pericardium, liver
13. The term contralateral denotes:
- A. Same side
 - B. Opposite side
 - C. Part closer to trunk
 - D. Part further from trunk

14. A group of cells performing a common function is referred to as:
- A. System
 - B. Organ
 - C. Molecules
 - D. Tissue
15. The urinary bladder located in the:
- A. Inguinal region
 - B. Lumbar region
 - C. Umbilical region
 - D. Hypogastric region
16. Which of the following is not an opening in the sphenoid bone?
- A. Foramen ovale
 - B. Foramen turcica
 - C. Foramen spinosum
 - D. Foramen rotundum
17. Multicellular exocrine glands found in mammary glands is:
- A. Compound tubular
 - B. Compound alveolar
 - C. Compound tubular
 - D. Compound tubuloalveolar
18. The inferolateral portion of the skull is formed by:
- A. Sphenoid bone
 - B. Ethmoid bone
 - C. Temporal bone
 - D. Occipital bone
19. A large blunt irregularly shaped process found in the femur is termed:
- A. Tubercle
 - B. Trochanter
 - C. Tuberosity
 - D. Epicondyle
20. Which of the following is not a carpal bone:
- A. Scaphoid
 - B. Trapezium
 - C. Capitate
 - D. Navicular

SECTION B: SHORT ANSWER QUESTIONS (SAQS); 40 MARKS

Answer all the questions

1. Describe the specific characteristics of a synovial joint (8 marks)
2. Outline the classes of connective tissue (8 marks)
3. Outline the hierarchy of structural organization of the human body (8 marks)
4. Explain the classification of joints in the human body giving example in each (8 marks)
5. Explain the regions and normal curvatures of the vertebral column (8 marks)

SECTION C: LONG ESSAY QUESTIONS (LEQS); 40 MARKS

1. Describe the body's connective tissue (20 marks)
2. Describe the integumentary system (20 marks)

END

