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(University of Choice)

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

SCHOOL OF NURSING MIDWIFERY AND PARAMEDICAL SCIENCES

MAIN CAMPUS

**SPECIAL EXAMENS
2021/2022 ACADEMIC YEAR**

**FOR THE DEGREE OF BACHELOR OF SCIENCE IN
GLOBAL HEALTH AND TRAVEL MEDICINE/PARAMEDICAL
SCIENCES**

**COURSE CODE: NCG 114 /NPP 113
COURSE TITLE: HUMAN ANATOMY**

DATE: 07 / 10 / 2022 TIME: 3-6PM

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. The bones of the skull are
 - A) Flat bones
 - B) Short bones
 - C) Long bones
 - D) Irregular bones

2. The nervus vagus is
 - A) A cranial nerve
 - B) A spinal nerve
 - C) A sympathetic nerve
 - D) A nerv of the lower limb

3. This organ belongs to the lower respiratory tract
 - A) Trachea
 - B) Larynx
 - C) Nasal cavity
 - D) Pharynx

4. 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 artera pulmonalis

5. Where is the nucleus of a heart muscle cell located?
 - A) In the centre of each cell
 - B) In the endoplasmatic reticulum
 - C) Near the cell membrane
 - D) In the mitochondriae

6. . Which of the following statement is right?
 - 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

7. The vestibule of the mouth is
 - A) The oral cavity proper
 - B) Located between the teeth and lips
 - C) The roof of the cavity

- D) Located in the nasal cavity
8. What is the anatomical meaning for “above” is
- A) Inferior
 - B) Superior
 - C) Anterior
 - D) Posterior
9. What is the epidermis is
- A) the outer layer of the skin
 - B) the mucous membrane of the mouth
 - C) part of the brain
 - D) part of the eye bulb
10. Which cell organelle contains the DNA?
- A) Mitochondrion
 - B) Endoplasmic reticulum
 - C) Vacuoles
 - D) Nucleus
11. How many ribs has the skeleton of a human?
- A) 24
 - B) 36
 - C) 12
 - D) 9
12. Which statement is correct?
- A) False ribs connect via cartilage with the sternum
 - B) False ribs are additional ribs
 - C) False ribs articulate with the sternum
 - D) False ribs are not attached to the sternum
13. The blood flows from the left ventricle of the heart
- A) Into the aorta
 - B) Into the pulmonary vein
 - C) Into the left atrium
 - D) Into the vena cava inferior
14. Which valve of the heart is located between the left atrium and left ventricle?
- A) The pulmonary valve
 - B) The mitral valve
 - C) Tricuspid valve
 - D) Aortic valve
15. What is cytokinesis?
- A) Cell division

- B) Division of the cytoplasm into two daughter cells
 - C) Production of gametes
 - D) Part of the skin
16. What is a single gene inheritance disorder?
- A) Sickle cell anaemia
 - B) Breast cancer
 - C) Trisomia 21
 - D) Alzheimer disease
17. What does Fertilization mean?
- A) Merging of the spermatozoa and ovum
 - B) Cell division
 - C) Organogenesis
 - D) The process in which the zygote adheres to the uterine
18. . What is the Glandula parotis?
- A) A gland of the human breast
 - B) A part of the respiratory system
 - C) A salivary gland
 - D) Located in the brain
19. Which function do the canines have in the dentition?
- A) Chewing
 - B) Grinding
 - C) Cutting
 - D) Tearing
20. Where is the mediastinum located?
- A) In the thoracic cavity
 - B) In the skull
 - C) In the abdominal cavity
 - D) In the pelvic cavity

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

Answer all the questions

- 1. State superficial neck muscles! 4 marks
- 2. What is the general function of the lymphatic system! 6 marks
- 3. List the components of the circulatory system! 6 marks

4. Which types of bone do you know? Give one example for each type!
8marks
5. State the components of the respiratory tree! 4 marks
6. List the layers of the skin! 4 marks
7. Where are the paranasal sinuses located and what is their function?
8 marks
- 8.

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

Answer all the questions

1. Describe the structure of the digestive system and the digestion of the food within the various parts!
2. Describe the structures of the excretory system of the body! Draw and explain the structure of the nephron and the production of urine!

END