



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY
EXAMINATIONS
2018/2019 ACADEMIC YEAR
FIRST YEAR SECOND SEMESTER**

**SCHOOL OF SCIENCE
BACHELOR OF SCIENCE NURSING**

**COURSE CODE: NUR 1201
COURSE TITLE: HUMAN ANATOMY**

**DATE: 16TH APRIL 2019
1130HRS**

TIME: 0830 -

INSTRUCTIONS TO CANDIDATES

**Answer ALL Questions in Section A and B. Choose ANY
TWO Questions from Section C.**

Multiple choice Questions (20 Marks)

All questions are compulsory

- 1.** The diaphragm separates which of the following cavities
 - a) Abdomen and pelvis
 - b) Cranial and spinal
 - c) Pericardial and pleural
 - d) Thoracic and abdominal

- 2.** If the foot is abducted, it is moved in which direction?
 - a) Inward
 - b) Outward
 - c) Upwards
 - d) Downward

- 3.** All of the following organs actively **FIGHT** pathogens
EXCEPT:
 - a) Cervical lymph nodes
 - b) Tonsils
 - c) Spleen
 - d) Thymus

- 4.** The following statements about the kidney are true **except**
 - a) The renal pelvis drains into the ureter
 - b) The renal pyramids are in the medulla
 - c) The cortex covers the capsule
 - d) Nephrons are in the renal cortex

- 5.** Which one of following is NOT TRUE?
 - a) The plasma membrane of the axon is the axolemma
 - b) A gap between 2 Schwann cells is a neurilemma
 - c) The neuron contains protein filaments called neurofibrils
 - d) e. Axon terminals contain synaptic vesicles

- 6.** The cells that secretes testosterone are
 - A. Sertoli cells
 - B. Spermatogenic cells

- C. Leydig cells
- D. Oogonia

7. The gland located at the superior part of the kidney is
- a) Bartholin' s glands
 - b) The thyroid gland
 - c) The adrenal gland
 - d) The thymus Gland
9. Which of the following cranial nerves is related to the sense of smell?
- a) Abducens
 - b) Hypoglossal
 - c) Olfactory
 - d) Trochlear
10. Which of the following allows gas exchange in the lungs?
- a) Alveoli
 - b) Bronchi
 - c) Bronchioles
 - d) Capillaries
11. The primary motor cortex, brocas area, and the premotor cortex are located in which lobe?
- a) Frontal
 - b) Parietal
 - c) Temporal
 - d) Occipital
12. Which one of the following is **NOT** a lymphoid organ?
- a) Spleen
 - b) Thyroid
 - c) Inguinal lymph node
 - d) Cervical lymph node
13. Which of following play a role in blood clotting
- a) White blood cells
 - b) Red blood cells
 - c) Platelets
 - d) Plasma
14. In men, which of the following structures is located at the neck of the bladder and surrounds the urethra?

- a) Epididymis
- b) Prostate gland
- c) Seminal vesicle
- d) Vas deferens

15. Which of following is **NOT** found in the brain stem?

- a) Pons
- b) Midbrain
- c) Cerebral peduncles
- d) Lateral ventricle.

16. Which of the following bones do NOT contain a paranasal sinus?

- a) Sphenoid
- b) Nasal
- c) Maxillary
- d) Ethmoid

17. The smallest airways in the conducting zone are the?

- a) Pharynxes
- b) Pulmonary capillaries
- c) Bronchi
- d) Terminal bronchioles

18. A sprain refers to?

- a) A bone is out of place
- b) A ligament is stretched and/or torn
- c) Crystals of uric acid build up in synovial fluid
- d) Joints are attacked by the immune system

19. The urinary bladder can be palpated at the

- a) Supra pubic region
- b) Frank region
- c) Mid hypochondriac region
- d) Hypo gastric region

20. During male circumcision which one of the following is surgically removed?

- a) The tip of the scrotum
- b) The prepuce/ fore skin of the penis
- c) The glans penis
- d) The ejaculatory duct

SECTION B. - Short answer questions (40 Marks)

All questions are compulsory

1. State the **3** types of Capillaries according to structure, indicate areas where they are mostly found
(6 marks).
2. Describe **3** types of cell junctions **(6marks)**
3. Describe the **3** meninges **(6Marks)**
4. Describe the two major components of the white blood cells
(5 marks)
5. State the five muscles of the eye that are involved in the extra ocular movements **(5 marks)**
6. State 3 muscles of the pelvic floor **(3 marks)**
7. State the major parts of the brain **(4 marks)**
8. Explain the structure of the stomach **(5 marks)**

SECTION C. - LONG STRUCTURED QUESTIONS (40 marks)

ANSWER ANY TWO QUESTIONS

1. (a) Describe the anatomical location of the heart
(6 Marks)
(b) Using a well labelled diagram describe the structure and functions of the heart
(14 Marks)
2. (a) Explain the blood supply to the kidney
(4marks)
(b) Using a well labelled diagram describe the functional structure of the nephron
(16 Marks)

3. (a) With the aid of the a diagram describe the structure of a typical synovial joint (12 marks)

(b) State four types of synovial joint movements, giving examples of each (8 marks)

4. (a) State the structure of the hypothalamus (4 marks)

(b) State the eight cranial nerves (16 marks)

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