



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2018/2019 ACADEMIC YEAR
FIRST YEAR FIRST TRIMESTER**

**SCHOOL OF HEALTH SCIENCES
BACHELOR OF SCIENCE NURSING**

**COURSE CODE: NUR 1103
COURSE TITLE: HUMAN ANATOMY**

DATE: 28TH AUGUST, 2019

TIME: 0830 – 1130 HRS

INSTRUCTIONS

- i. This end of year examination consists of three sections; namely section A, B and C**
- ii. Section A is Multiple Choice Questions (MCQs). There are twenty questions, answer all questions**
- iii. Section B is Short Answer Questions (SAQs). 40 marks. All questions are compulsory. Answer questions on piece of paper provided**
- iv. Section C is Long Essay Questions (LEQs). 40 Marks. Answer any two questions on the piece of paper provided.**
- v. Write your registration number and Not your name on all the pages of your answer sheet.**

SECTION 1 (20 MARKS)

SHORT ANSWER QUESTION ARE COMPULSORY

1. One of the following bones is **NOT** part of the cranium

- a. Ethmoid
- b. Cuneiforms
- c. Sphenoid bone
- d. Lacrimal bone

2. Anatomy is defined as

- a. The study of structure in relation to function
- b. The study of the structure of the human body
- c. The study of various levels of structural organization
- d. The study of body structures visible to the naked eye.

3. The space on bones of the skull of an infant between the frontal and parietal bones where ossification is incomplete is?

- a. Lambdoid suture
- b. Posterior fontanelle
- c. Anterior fontanelle
- d. Coronal fontanelle

4. Sebaceous glands

- a. Are found in the hypodermis
- b. Produce a watery secretion
- c. Are holocrine glands
- d. Have no specified role.

5. Which of the following bones is **part** of the axial skeleton?

- a. Vomer
- b. Tibia
- c. Humerus
- d. Metacarpals

6. Both the sternum and the vertebrae are examples of:

- a. Long bones
- b. Short bones
- c. Flat bones
- d. Irregular bones

7. The following is a confirmatory sign of pregnancy

- a. Frequent urination

- b. Positive pregnancy test
- c. Breast changes -tenderness and tingling at the nipple area
- d. Increased vaginal secretion

8. The following are accessory parts of the eye

- a. Eye lids and eye brow
- b. The lacrimal glands and Retina
- c. The aqueous humor and the eye lid
- d. The aqueous humor and the lenses

9. If the foot is abducted, it is moved in which direction?

- a. Inward
- b. Outward
- c. Upwards
- d. Downward

10. The following plays a role in bone development

- a. Vitamin A
- b. Vitamin B
- c. Vitamin C
- d. Vitamin D

11. The following is a dorsal body cavity?

- a. Pelvic cavity
- b. Orbit
- c. Thoracic cavity
- d. Spinal cavity.

12. 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

13. Umbilical cord that is attached to the fetal membranes outside the placenta is referred to as?

- a. Battledore placenta
- b. Placenta velamentosa
- c. Umbilical hernia
- d. Placenta Previa

14. Identify the **inside- out** order of the following parts of the ear

- a. Eustachian tube- pinna- eardrum
- b. Eardrum, Eustachian tube, Pinna
- c. Eardrum, pinna, Eustachian tube
- d. Pinna, Eustachian tube, ear drum

15. The following bone is **not** part of the pelvis?

- a. Scaphoid
- b. Ilium
- c. Pubis
- d. Ischium

16. The site of fertilization in the fallopian tube is?

- a. Fimbria
- b. Ampulla
- c. Infundibulum
- d. Isthmus

17. The following forms after fertilization

- a. Trophoblast
- b. Morula
- c. Blastocyst
- d. Embryonic disc,

FOR QUESTIONS 18 MATCH COLUMN A WITH APPROPRIATE RESPONSE FROM COLUMN B (3 marks)

I. Squamous (pavement) epithelium	A. Alveoli
II. Simple Cuboidal Epithelium	B. Uterus
III. Simple Columnar Epithelium	C. Intestines
IV. Ciliated Columnar Epithelium	D. Bronchus
V. Transitional Epithelium	E. Urinary Bladder
VI. Stratified squamous	F. Skin

Short Answer Questions (40Marks)

1. State three plasma membrane specialization (3marks)
2. In ascending order, state the five levels of structural cell organization (5 Marks)
3. State 4 layers of epidermis (8 Marks)
4. Citing examples state the structural classification of joints (6 Marks)
5. State the 5 main parts of the middle ear (5 Marks)
6. Describe the fetal membranes (7 Marks)
7. Describe the 3 germ layers (6 Marks)

Long structured Question (40 Marks)

Answer any 2 (Two) Questions

Question 1

- (a) Describe the 5 types of connective tissue found in the body (15 Marks)
- (b) Describe the steps of tissue repair (5 Marks)

Question 2

- (a) Draw and label parts of a femur (5 Marks)
- (b) State the cells of a bones (5 Marks)
- (c) Explain the process of fracture healing (10 Marks)

Question 3

Discuss the endochondral ossification (20 Marks)

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