

**CHUKA**



**UNIVERSITY**

## **UNIVERSITY EXAMINATIONS**

### **EXAMINATION FOR THE AWARD OF DIPLOMA IN ANIMAL HEALTH AND PRODUCTION**

**ANHE 0112: HISTOLOGY AND EMBRYOLOGY**

**STREAMS:**

**TIME: 2 HOURS**

**DAY/DATE: MONDAY 4/12/2017**

**2.30 PM – 4.30 P.M**

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#### **INSTRUCTIONS:**

- **Answer all questions in section A and any two questions in section B**

1. What is the difference between an exocrine and endocrine glands. [2marks]
2. Name two ways how epithelial tissue can be classified. [2marks]
3. What are the different types of cartilages found in mammals? [3marks]
4. The spaces within which the chondrocytes lie are known as? [2marks]
5. What type of epithelium lines cover blood vessels. [2marks]
6. What are the components of connective tissue. [3marks]
7. Give two examples of special connective tissue. [2marks]
8. Give two classifications of connective tissue. [3marks]
9. Name two chemicals used in histological tissue preservation. [2marks]
10. List the three germ layers. [3marks]
11. Name two stains (dyes) used in histology. [2marks]
12. Name two cells found in bone. [2marks]

13. Name two ways how bone can be formed. [2marks]

**SECTION B**

14. With the aid of a diagram, describe the different stages of mitosis. [20marks]

15. (a) With the aid of a diagram, describe the process of early embryo development. [10marks]

- (b) Draw and label the structure of a sperm cell. [10marks]

16. (a) Draw and label the structure of a neuron. [10marks]

- (b) Describe the general histology of a hollow organ. [10marks]
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