

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

FIRST YEAR EXAMINATION FOR THE AWARD OF CERTIFICATE IN ANIMAL
HEALTH AND PRODUCTION

ANHE 00121: GENERAL PATHOLOGY

STREAMS: CERT ANHE Y1S1

TIME: 2 HOURS

DAY/DATE: THURSDAY 8/08/2019

2.30 P.M - 4.30 P.M.

INSTRUCTIONS:

- Answer ALL Questions in Section A and any TWO in Section B
- Do not write anything on the Question paper

SECTION A: [40 MARKS]

1. Differentiate the following;
 - (i) Aplasia from anaplasia [2 Marks]
 - (ii) Apoptosis and Necrosis [2 Marks]
 - (iii) Autolysis and heterolysis [2 Marks]
 - (iv) Benign and Malignant tumor [2 Marks]
 - (v) Hard and firm lesions [2 Marks]
2. List and give brief explanation of five pathological color changes in lesions. [10 Marks]
3. (a) Explain three tissue factors which determine its ability to heal and repair following an injury. [6 Marks]

(b) Enumerate four causes of increase in tissue mass in animals. [4 Marks]
4. Clearly outline five causes of damage to the cell membrane. [10 Marks]

SECTION B: [30 MARKS]

5. (a) Briefly explain the factors involved in development of disease. [6 Marks]
(b) Outline the steps involved in the repair process. [4 Marks]
(c) Explain the arrival and action of inflammatory cells during inflammation. [5 Marks]

6. (a) Discuss the significance of putrefactive bacteria in animal's body before and after death. [10 Marks]
- (b) Explain the vascular changes that occur during acute inflammation giving three associated cardinal signs. [5 Marks]
7. (a) Write short notes on hypoxia. [10 Marks]
- (b) Discuss coagulative necrosis. [5 Marks]
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