



MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS

2022/2023 ACADEMIC YEAR

FIRST YEAR SECOND SEMESTER

**SCHOOL OF NATURAL RESOURCES, TOURISM
AND HOSPITALITY**

**BACHELOR OF SCIENCE IN ANIMAL HEALTH
AND PRODUCTION**

COURSE CODE: AHP 1207-1

**COURSE TITLE: PRINCIPLES OF ANIMAL
HEALTH AND PRODUCTION**

DATE: 8/4/2023

TIME: 1100-1300 HRS

INSTRUCTIONS TO CANDIDATES

Answer **ALL** questions

This paper consists of 3 printed pages. Please turn over

Answer all questions

PRINCIPLES OF ANIMAL HEALTH AND PRODUCTION [120 Marks]

- 1 Define the following terms under livestock production systems (2mks each);
 - I. Pastoralism
 - II. Ranching
 - III. Nomadism
 - IV. Mixed farming system
 - V. Solely livestock production system
 - VI. Landless livestock production system
 - VII. Intensive production system
 - VIII. Semi-intensive production system
 - IX. Extensive production system
 - X. Grassland-based livestock production system

- 2 Describe poultry production systems under the following sub-headings;
 - I. Name four species of chicken reared in Kenya (4 mks)
 - II. Deep litter system (4 mks)
 - III. Battery cage system(4 mks)
 - IV. Free range system(4 mks)
 - V. State four challenges facing poultry industry in Kenya (4 mks)

- 3 Describe the different agro-ecological zones in Kenya and state the different species of livestock found at each zone. (20 mks)
- 4 Describe Kenya's dairy industry under the following sub-headings;
 - I. Production systems (3 mks)
- 5
 - II. Importance of the industry to the economy of Kenya (5 mks)
 - III. Challenges facing the industry and their mitigation (8 mks)
 - IV. Which animal welfare challenges are of concern in dairy industry? (4 mks)
 - V. Pig farming in Kenya has recently gone up due to increased adoption. State species reared and describe the different production systems used in Kenya. (20 mks).

- 6 Discuss the importance of animal resources in economic development of households and the country? (20 mks)

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