

AGEN 00342



KISII UNIVERSITY
UNIVERSITY EXAMINATIONS
FIRST YEAR EXAMINATION FOR THE AWARD OF THE
CERTIFICATE IN ANIMAL HEALTH
FIRST SEMESTER 2022/2023
(SEPTEMBER - DECEMBER, 2022)

AGEN 00342: FARM STRUCTURE, MECHANIZATION AND WATER SUPPLY

STREAM: Y1 S1

TIME: 2 HOURS

DAY: MONDAY, 12:00 P.M – 2:00 P.M

DATE: 05/12/2022

INSTRUCTIONS:

- 1. Do not write anything on this question paper.***
- 2. Answer question ONE (Compulsory) and any other TWO Questions.***

1 (a) Define the following terms as used in Farm structure, Mechanization and water supply (20marks)

{i} Farm structure

(ii) Farm mechanization

(iii) Secondary cultivation

(iv) Mouldboard plough

(v) Electric fence

(vi) Cattle Dip

(vii) Fish pond

(viii) Solar energy

(ix) Weir

(x) Share

(b) Describe four types of posts to prepare in fencing the farm (8marks)

- (c) Describe a piston in an engine (2marks)
- 2 (a) Enumerate the precautions taken when drying timber by air (5marks)
- (b) Mention at least five uses of Solar energy (5marks)
- (c) Elaborate on the importance of Farm mechanization (5marks)
- (d) Enumerate the advantages of a disc plough (5marks)
- 3 (a) Elaborate on the stock management at the Dip (10marks)
- (b) Why should a farmer have a crush, a hand pump and a spray at home?
(10marks)
4. (a) Outline on how you can trap bees using a catcher box (5marks)
- (b) Give five advantages of a Spray race (5marks)
- (c) Enumerate the requirements of building a fish pond (5marks)
- (d) Before construction of a plunge dip on any site, which factors should be considered by the farmer? (5marks)