

KISII UNIVERSITY

AGEN 00342: FARM STRUCTURE, MECHANIZATION AND WATER SUPPLY.

CERTIFICATE IN ANIMAL SCIENCE/ HEALTH. APRIL 2024 exams

ANSWER QUESTION ONE AND ANY OTHER TWO QUESTIONS

1 a) What is farm structure? 2mks

b) Explain the following terms as used in farm structure (20mks)

- i. Trench fences
- ii. Strainer
- iii. Fencing
- iv. Live fence
- v. Dam
- vi. Share
- vii. Bee hive
- viii. Cattle dip
- ix. Solar energy
- x. Frog

c) Types of posts to prepare for fencing are classified into 4 , describe them (8mks)

2 a) Give advantages of engine power (5mks)

b) Before construction of a plunge dip on any site which factors should be considered by the farmer (5mks)

c) Mention any 4 types of bee hives you know (5mks)

d) How can you care and maintain a disc plough (5mks)

3a) Mention at least 5 uses of solar energy (5mks)

b) How are these pumps used in water supply in the farm

- i. Hydrant
- ii. Reciprocating pump

- iii. Rotary pump
- iv. Roto-dynamic pump
- v. Solar pump

c) Give the importance of farm mechanization (5mks)

4a) Give 5 advantages of a spray race (5mks)

b) How trap bees using a catcher box (5mks)

c) How can you care and maintain a bee hive? (5mks)

d) What are the precautions taken when drying timber by air (5mks)