



KISII UNIVERSITY
UNIVERSITY EXAMINATIONS

SECOND YEAR EXAMINATION FOR THE AWARD OF THE
DIPLOMA IN AGRICULTURAL ECONOMICS
FIRST SEMESTER, 2023/2024
(JANUARY-APRIL, 2024)

AGEC 0281: FARM MACHINERY

STREAM: Y2 S1

TIME: 2 HOURS

DAY: WEDNESDAY, 3:00 – 5:00 P.M.

DATE: 24/04/2024

INSTRUCTIONS

- 1. Do not write anything on this question paper.*
- 2. Section A is compulsory and answer any TWO questions in Section B.*

SECTION A: ATTEMPT ALL QUESTIONS IN THIS SECTION (40MKS)

1. (a) Describe seeding. (3marks)
(b) State the characteristics of a perfect seeding. (3marks)
(c) Seed drills are classified into: (4marks)
2. Briefly explain the importance farm equipment. (10marks)
3. Describe the four types of pesticides. (10marks)
4. Discuss the following:
(a) Primary tillage. (5marks)
(b) Secondary tillage. (5marks)

**SECTION B: ATTEMPT ANY TWO QUESTIONS IN THIS SECTION
(30MKS)**

5. Explain the functions of the following:

(a) Plough. (5marks)

(b) Planter. (5marks)

(c) Furrow openers. (5marks)

6. Discuss the various crop protection equipment. (15marks)

7. Describe the following sowing methods:

(a) Dibbling. (5marks)

(b) Broadcasting. (5marks)

(c) Drilling. (5marks)