

CHRISTIAN SOCIAL SERVICES COMMISSION (CSSC)
NORTHERNZONEJOINTEXAMINATIONSSYNDICATE (NZ-JES)



FORM TWO PRE-NATIONAL EXAMINATION, AUGUST 2026

CODE: 034

AGRICULTURE

MARKING SCHEME

1.

i.	ii.	iii.	iv.	v.	vi.	vii.	viii.	ix.	x.
C	A	D	B	B	C	A	A	D	C

2.

LIST A	i.	ii.	iii.	iv.	v.
LIST B	C	B	D	F	E

3. a) Soil horizon is the layer of the soil profile which spread horizontally (2.5 marks)

b) 5 point@1.5 marks

- i. Minera matter 45%
- ii. Organic matter 5%
- iii. Soil water 25%
- iv. Soil air 25%
- v. Living organism

4. a i) earthing up is the practice of mounding the plant with soil 1 mark

ii) intra row spacing is the space within the plants in row 1 mark

iii) inter row spacing is the space between plant rows 1 marks

b) 4 point@1marks

- i. control weeds
- ii. improve drainage
- iii. provide support to the plants

iv. it encourages roots/tubers growth

c) in order to avoid caking of fertilizer due to absorption of moisture **3 marks**

5. 5 points@2 marks

- Prepare the land by clearing and digging
- Select healthy cutting
- Cut stems into pieces
- Plant at correct spacing
- Weed and manage the field

6. 5 points@2 marks

– Nutritional value

- Availability
- Cost
- Digestibility
- Type and age of animal
- Palatability

7. a) 5 points@1.5 marks

- Reduce fighting
- Ensures equal feeding
- Promote fast growth
- Prevents disease
- Reduce stress

b) Through providing sufficient water space and maintain water quality by regular cleaning and changing water **2.5 marks**

8. a) because it encourages growth of vegetative parts rather than tubers/roots 4 marks

b) 4 points @ 1.5 marks

Causes	solution
i. Too much water	Improve drainage
ii. Too little water	Irrigation

9. a) elluviation is the process of washing out/leaching mineral and nutrients from the upper layer to the depositing lower layer WHILE illuviation is the accumulation of mineral and nutrients from the upper layer **4 marks**

b) 4 points @ 1 marks

- O horizon
- A horizon
- B horizon
- C horizon

c) B horizon **2 marks**

SECTION C 15 MARKS

10. Introduction 1.5 marks

Explain any of the following key terms

Cultural pest control is the technique of altering the environment so as to make it unfavorable for the survival of pest.

Pest is living organism which can harm crops direct or indirect

Main body 6 points @ 2 marks

- **Use clean planting materials**
- Timely planting
- Proper seedbeds preparation
- Use of trap crops
- Practice close season
- Practice crop rotation
- Use of resistant crop varieties
- Proper spacing

Conclusion

Any relevant conclusion **(1.5 marks)**