

SECTION A (30 MARKS)

1. (a) Matching (4 Marks)

- i. Leasing – B
- ii. Inheritance – A
- iii. Buying – D
- iv. Donation – C

1. (b) (2 Marks)

Any two:

- Rainfall
- Soil fertility
- Climate/temperature
- Topography
- Water availability (irrigation)

2. Definitions (3 Marks)

a) Value Addition:

Improving the quality or usefulness of a product to increase its value (e.g., processing, packaging).

b) Fallow Land:

Land left uncultivated for a period to restore its fertility.

c) Apiary:

A place where bees are kept for honey production.

3. Soil Profile (3 Marks)

(a)

- ✓ A – superficial layer
- ✓ B- top soil
- ✓ C – sub soil
- ✓ D- weathered rock
- ✓ E- parent rock

(b)

- High humus content
- Well aerated
- Contains active living organisms
- Most plant roots are found here
- Well drained
- Contains most of the plant nutrients

4. Soil Properties (2 Marks)

- ✓ **Soil Texture:** Refers to the size of soil particles (sand, silt, clay).
- ✓ **Soil Structure:** Refers to the arrangement of soil particles into aggregates.

5. True/False (4 Marks)

- a) False
- b) True
- c) True
- d) False

6. Livestock Restraining Tools (3 Marks)

Any three:

- ✗ Ropes
- ✗ Crush/Crush pen
- ✗ Nose ring
- ✗ Halter
- ✗ Yoke

7. Factors of Production (4 Marks)

- ✗ Land
- ✗ Labour
- ✗ Capital
- ✗ Management/Entrepreneurship

8. Q-Rake R-Slasher S-Panga T-Jembe

9. Maintenance Of Jembe/Panga (5 Marks)

Any five:

- ✗ Cleaning after use
- ✗ Sharpening the blade
- ✗ Oiling/greasing to prevent rust
- ✗ Proper storage (dry place)
- ✗ Tightening handles
- ✗ Repairing damaged parts

SECTION B (50 MARKS)

10. Land Preparation

a) Importance of secondary cultivation (4 Marks)

- ✗ Breaks soil clods
- ✗ Levels the soil
- ✗ Improves soil tilth
- ✗ Controls weeds
- ✗ Prepares fine seedbed (Any 4 × 1)

b) Conservation tillage (2 Marks)

- ✓ Mulching
- ✓ Minimum tillage
- ✓ Zero tillage

(Any 2 × 1)

c) Comparison (4 Marks)

Zero Tillage	Minimum Tillage
No soil disturbance	Minimal soil disturbance
Seeds planted directly	Slight cultivation done
Reduces erosion more	Moderate erosion control
Saves more labour	Uses some labour

(Any 4 clear points)

11. Livestock Breeds

a) (2 Marks)

- i. Friesian
- ii. Zebu

b) (2 Marks)

- ✓ Friesian: Dairy (milk production)
- ✓ Zebu: Beef/draught/dual purpose

c) (2 Marks)

- ✓ Friesian – produces high milk yields

12. Weeds

a) (1 Mark)

- ✓ Annual weed

b) (1 Mark)

- ✓ Broad-leaved weed

c) H - Wild oat/Avena fatua/Avena sterilis/Athena J - Striga/witch weed K - Mallow

d) Economic importance (4 Marks)

- ✓ Provide fodder
- ✓ Used as medicine
- ✓ Improve soil fertility (some legumes)
- ✓ Prevent soil erosion
- ✓ Source of income (herbs) (Any 2 × 2)

d) Cultural control (4 Marks)

- ✓ Hand weeding
- ✓ Crop rotation
- ✓ Mulching
- ✓ Timely planting
- ✓ Cover cropping

(Any 2 × 2)

13. Marketing & Value Addition

a) (1 Mark)

- ✓ Grading

b) (2 Marks)

- ✓ Attracts customers
- ✓ Improves product identity
- ✓ Builds trust/loyalty

(Any 2)

c) (2 Marks)

- ✓ Transport costs
- ✓ Market fees

d) (2 Marks)

- ✓ Increases shelf life
- ✓ Increases profit/value
- ✓ Reduces losses

(Any 2)

e) Digital platforms (3 Marks)

- ✓ Facebook
- ✓ WhatsApp
- ✓ Instagram
- ✓ Jumia
- ✓ Websites

(Any 3)

14. Animal Health

a) (3 Marks)

- ✓ Dullness
- ✓ Rough coat
- ✓ Low milk production

b) Preventative measures (6 Marks)

- ✓ Proper feeding (balanced diet)
- ✓ Vaccination
- ✓ Deworming
- ✓ Clean housing
- ✓ Regular veterinary check-ups
- ✓ Clean water supply

(Any 3 × 2)

c) (1 Mark)

- ✓ Protects the handler from injury/disease

15. Entrepreneurship

a) Sources of capital (4 Marks)

- Savings
- Loans
- Grants
- Selling assets
- Family support
- Table banking/chamas

(Any 4)

b) (1 Mark)

- ✓ Availability of market
OR
- ✓ Capital required
OR
- ✓ Skills available
OR
- ✓ Climate suitability