**MARKING SCHEME**

**AGR P1 F3**

1. Capital availability

Availability if machinery

Size of land

Resource availability

2. To brake hardpan

To aerate the soil

To allow water infiltration

To allow easy root penetration

3. Permanent inventory

Consumable inventory

4. Loss of labour when workers dies

Time lost when seeking medical services

Money used to pay hospital bill

Loss of motivation to invest in Agriculture

5. It cause silting in rivers/dawns

Uprooting it crops

Eroded soil may cover crops

Loss of soil nutrients.

6. leaf curl

Chlorosos on leaves

Premature leaf fall

Scorching of leaves

7. The farm has incentive to carry out long term investment

Help to solve land dispute

Title can be used as security for loan

8 Use of resistant varieties

Early planting

Rouging

Use of certified seeds

Field hygien

Dose season

9. Plantation

Ranching

10. Influences the colour of the soil

Influences mineral compositions of the soil

11. application of herbicides

Establishing cover crop

Mulching

Uprooting weeds

Slashing

` Restricting cultivation in some area where to plant

12. Large scale farming

Production of crop

High use of capital

Heavy machinery

13. perennial weed

Animal weeds

Biennial weed

14. shelling/threshing

Sorting out/grading

Drying

Dusting

Processing

Cleaning

Packing

15. suppress weeds

Prevent evaporation

Control soil erosion

Modifies soil temperature

Release nutrient when decays

16. high germination potential

Froze from pest and disease

Give high yield

Free from weeds

17. oxygen use for root growth

Nitrogen converted to nitrate by organic used by plants

Facilitate microbial activities

Reduce toxicity of some compounds

18. Nutrients contained

Mode of application

Time application

Effect on soil PH

19. Shallow weeding to the same depth

Use of heavy machines in the farm

20(a) traditional storage

Modern storage

(b) A B

-not well ventilated -well ventilated

-weak - strong

-grass thatched - iron sheet thatched

-not vermin proof -vermin proof

(c) roof repairing

Replacing fallen doors

Re-nailing weak hungers

Keeping surrounding clean

21(a) staking

(b) N-wood/used to support the seedling

M-thread/used to tie the seedling

(c). produce of dirty fruits

-difficulties in spraying/harvesting

- frequent attack by diseases eg blight

- infestations of fruits by soil borne pests from soil

22(a) – Aerial laying/marcotting

(b)-mangoes ,lemons ,oranges ,avocados

(c)-rooting medium should be moist

-rooting medium should be rich in minerals/spores

-rooting medium should be free from diseases causing spores