**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