

FORM ONE AGRICULTURE MARKINGScheme

- 1.
- ❖ Parasite
 - ❖ Pathogens
 - ❖ Predators
- 3 x 1 = 3mks
- 2.
- ❖ Help decompose organic matter hence release minerals for plant use
 - ❖ Some micro organism produce toxic substances which may help kill soil borne disease organism
 - ❖ Some micro-organism fix nitrogen in the soil
 - ❖ Upon death they eventually decompose resulting to manure
- 4 X 1 = 4mks
- 3.
- ❖ Increases incidences of some pests / parasite and diseases
 - ❖ Improves quality of certain crop e.g. pyrethrum
 - ❖ Increases rate of evapotranspiration / wilting in plants
 - ❖ Increases rate of growth for early maturity in crops
 - ❖ Limits distribution of exotic livestock breeds
 - ❖ Lowers production in livestock
 - ❖ Influences design of farm buildings and structures
 - ❖ Lowers labour productivity
- 4 X 1 = 4mks
- 4.
- Soil structure is the relative proportion of the different sized particles in the soil; while soil structure is the genera appearance of the soil in relation to the arrangement of the individual soil particles
- (Mark as a whole) 2 X 1 = 2mks
- 5.
- ❖ Using a sieve / sieve analysis
 - ❖ Sedimentation method
- 2 X 1 = 2mks
- 6.
- a)
- ❖ Physical
 - ❖ Chemical
- 2 X 1 = 2mks
- b)
- ❖ Plant roots
 - ❖ Animals
 - ❖ Human activities
- 2 X 1 = 2mks
- 7.

- a)
Soil capillarity 1 X 1 = 1mk
- b)
G – Sandy
H – Loam
J – Clay 3 X 1 = 3mks
- c)
G – Rough and coarse texture
J – Fine texture 2 X 1 = 2mks
- d)
❖ Addition of organic manure
❖ Addition of lime 1 X 1 = 1mk
8.
❖ Allow proper infiltration / drainage of water
❖ Has good aeration
❖ It is not easily eroded 3 X 1 = 3mks
9.
❖ Temperature
❖ Prevailing winds
❖ Soil types
❖ Rainfall 4 X 1 = mks
10.
❖ Supports plant life anchorage
❖ Provides nutrients and water
❖ Contains organic matter, food for micro-organisms
❖ Contain oxygen / air necessary for crop growth. 3 X 1 = 3mks
11.
❖ Land is abundant
❖ Population is sparse
❖ Number of livestock per unit area
❖ Land is communally owned 4 X 1 = 4mks
12.
❖ Soil air
❖ Soil water
❖ Soil living organism
❖ Soil mineral matter
❖ Soil organic matter 4 X 1 = 4mks

- 13.
- a) This is the vertical arrangement of soil layers / horizons 1 X 1 = 1mk
- b) This is the zone found between any two bordering soil layers in a soil profile 1 X 1 = 1mk
- c)
- ❖ Compact and less aerated
 - ❖ Formation of hard pan
 - ❖ Has accumulation of leached nutrients 2 X 1 = 2mks
- 14.
- ❖ Animals can survive and do well in these areas where crop production is not possible
 - ❖ Pasture improvement in these areas help increase land carrying capacity
 - ❖ Animals can be moved with ease inside an enclosed area in search of food and water
 - ❖ It is an important way of earning livelihood in the dry areas helping to relieve population pressures on high potential areas
 - ❖ It improves beef production in the dry areas of Kenya 4 X 1 = 4mks
- 15.
- a) Agricultural engineering is a branch of agriculture dealing with the use and maintenance of farm tools, machinery and structure; while agricultural economics is a branch of agriculture dealing with the utilization of scarce resources. (Mark as a whole) 2 X 1 = 2mks
- b)
- ❖ Agricultural engineering helps ease the use of mechanization in agricultural production
 - ❖ Agricultural economics helps aim at maximizing output while minimizing costs 2 X 1 = 2mks
- 16.
- ❖ Crops and animals have mutual benefits whereby crops supply the animals with feed while the animals supply crops with manure
 - ❖ Income for a farmer is spread throughout the year from both crops and manure
 - ❖ There is better use of permanent farm labour throughout the year
 - ❖ It is an easier way of diversifying production so as to spread the risk of total failure; meaning a failure in one enterprise fails the farmer can depend on the other. 4 X 1 = 4mks
- 17.
- ❖ Topography
 - ❖ Parent rock material

- ❖ Time
- ❖ Climatic factors
- ❖ Biotic factors

3 X 1 = 3mks

18.

- ❖ Help in accurately measuring and applying of agricultural inputs for positive results
- ❖ Analyzing results correctly leading to proper decision making
- ❖ Help in proper feeding of animals according to their nutritional requirements
- ❖ Help in the interpretation of the technical language used in agriculture
- ❖ Proper timing and use of proper method of doing things.

3 X 1 = 3mks

19.

- ❖ Nomadic pastoralism
- ❖ Poultry
- ❖ Aquaculture
- ❖ Apiculture

4 x 1 = 4mks
