**AGRICULTURE FORM ONE**

**MARKING SCHEME**

1. **State four main branches of agriculture. (4mks)**
* Crop production/arable farming
* Livestock production
* Agricultural economics
* Agricultural engineering
1. **Name three forms in which water exists in the soil. (3mks)**
* Hygroscopic water
* Capillary available water
* Superfluous water
1. **State any four advantages of mixed farming. (4mks)**
* Mutual benefit between livestock and crops
* Income is earned throughout the year
* Diversification of farm enterprises/security of income.
* Livestock e.g. oxen is used to provide farm power.

**4. aspects of light that affect crop production**

 - Light duration.

* - Light intensity.
* - Light wavelength.  1/2 x3=1 ½ mks

**5.characteristics of large scale farming system**

 . - Require large tracts of land.

* - Mechanization is common.
* - Skilled labour.
* - Processing of product in the farm.
* - Provides more employment.
* - Require high capital investment.  1/2 x4=2mks

**6.Give five constituents of soil (4mks)**

Mineral matter

Organic matter

Air

Water

Living organism

**7.State four factors influencing soil formation (4mks)**

Parental rock material

Climate

Topography

time

**8.List three aspects of rainfall that a farmer should consider (4mks)**

Rainfall reliability

Amount of rainfall

Rainfall distribution

Rainfall intensity

**9.Differentiate between pomoculture and olericulture (2mks)**

Pomoculture is growing fruits such as mangoes while olericulture is growing of vegetables such as cabbages and tomatoes

**10.State four reasons that makes agriculture important to Kenya’s economy (4mks)**

Food supply / source of food

Source of employement

Provision of foreign exchange

Source of raw materials for industries

Source of money / capital

**11.Give four types of soil structures (4mks)**

Single grained soil structure

Crumby soil structure

Granular soil structure

Prismatic soil structure

Blocky soil structure

**12.List four human factors that affect agriculture (4mks)**

Level of education and technology

Health

Economy

Transport and communication

Government policy

Market forces

**13.Ouline four effects of wind in agriculture (4mks)**

Increasing the rate of evaporation

Acting as agent of seed dispersal

Acting as agent of soil erosion

Destroying farm structures

Blowing away and bringing rain- bearing clouds

**14.Give four ways in which soil PH can be modified (4mks)**

Application of lime / basic compound

Application of basic fertilizers

Application of sulphur

Application of acidic fertilizers

15. The diagram below shows some workshop tools. Study them and answer the questions that follow

** A B**

(a) Identify the tools **A** and **B** (2mks)

***A****pipe wrench*

***B*** *ring spanner*

(b) State the correct use of the tool labeled A (2mks)

*For holding tightening and loosening metallic pipes*

(c) Explain **one** maintenance practice carried out on the tool A(1mk)

*The tool should be cleaned after use*

16. State **four** catergories of farm tools and equipment(4mks

* *Workshop tools and equipment*
* *Gardening /Garden tools and equipment*
* *Livestock production tools*
* *Plumbing tools and equipment*
* *Masonry tools and equipment*

*17.* - Nitrogen-fixing bacteria

 - Decomposers

 - Pollinators

 - Predators eg lady bird