**FORM ONE EXAM, 2021 AGRICULTURE CAT ONE MARKING SCHEME**

1a) What is Agriculture? (1mk)

-**is the art and science of cultivation of land to produce crops and livestock.**

b) Agriculture can be viewed as an art; state **two** reasons to support the view that agriculture is  an art. (2mks)

**-it involves the application of learnt skills**

**-it involves training**

2. State **two** reasons that make Agriculture important to Kenyan economy. (2mks)

**-acts as a source of food.**

**-provides employment**

**-promotes industrial development.**

3. State **two** characteristics of shifting cultivation. (2mks)

**-helps to reduce costs by avoiding the buying of pesticides and fertilizers.**

**-it is only limited to annual crops.**

**-Agricultural production is low.**

**-make use of simple habnd tools like pangas.**

b) State **two** advantages of shifting cultivation. (2mks)

**- helps to reduce land disputes.**

**-helps to control parasitic weeds.**

4. State **four** ways through which Agriculture contributes to Industrial Development. (4mks)

**-providing raw materials to agro-based industries.**

**-provides a market for industrial goods.**

**Acts as a source of capital to start small industries.**

5. Differentiate between pomoculture and olericulture. (2mks)

**-pomoculture-gowing of fruits while olericulture is growing of vegetables.**

6. State reasons that make ranching to be regarded as a form of advanced pastroral - nomadism. (6 mks)

**-water is provided at specific watering points.**

**-animals are confined through fencing.**

**-mating is controlled.**

**-there is supplementary feeding.**

**-control of parasites and diseases is done.**

**-there is controlled grazing, thus minimizing erosion.**

7. State the importance of soil to plants.

**-provides a good habitat to useful soil organism.**

**-provides support/anchorage to plants.**

**-contains the nutrients and water required by plants.**

**-contains organic matter that acts as food for useful soil organisms.**

8a) State **four** ways in which biological agents may enhance soil formation.

**-burrowing animals eg mules dig out the soil causing mechanical break up of small rock fragments from the main rock.**

**-decomposition of organic matter brought about by micro-organisms.**

**-root penetration into cracks in a rock causes its diantegration.**

**-large animals trample over surfaces of rocks with their hooves breaking away small rocks particles.**

b) List **four** environmental factors that can affect crop distribution in Kenya.

**-prevailing winds.**

**-type of soil**

**-Temperature**

**-rainfall**