**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**