**AGRICULTURE - GRADE 7 TERM 1 EXAMS 2023**

**QUESTIONS**

1. A Grade 7 Agriculture teacher asked the learners to define soil pollution. What answer did they give?   (2mks)
2. An Agricultural Extension Officer visited our school. He toured around the school compound and found a nearby factory polluting the environment. He then asked the learners to state some of the causes of soil pollution. List four causes they stated. (4mks)
3. What are the **three** types of agricultural chemicals that cause soil pollution? (3mks)
4. Define the following terms. (4mks)
   1. Conservation
   2. Water conservation
5. During a group discussion, grade 7 learners were asked to discuss ways of conserving water. What answers did they give?(4mks).
6. A facilitator came to Hekima school during an Agriculture lesson and asked grade 7 learners on the importance of water retention. What answer did they give? (3mks)
7. Outline some of the practices used to control soil pollution (4mks)
8. How does lithium present in batteries affect soil? (1mk)
9. What is minimum tillage? (2mks)
10. Grade 7 learners were asked by their teacher to state and explain the practices carried out during minimum tillage. What answers do you think they gave? (6mks)
11. State any **three** water retention structures (3mks)
12. During a classroom discussion grade 7 learners were requested to define the term agroforestry. What you think they gave as an answer? (2mks)
13. Name **two** examples of trees that can be used for agroforestry (2mks)
14. During a zonal agricultural debate, schools were asked to discuss the various materials used in mulching. What answers did they provide? (4mks)
15. State **four** types of soil erosion (4mks)
16. What are the **two** types of seedbeds that may be used to conserve soil moisture? (2mks)

**MARKING SCHEME**

1. Refers to introduction of harmful materials to the soil which inter causes contamination and degrades the soil quality.
2. * Excessive use of agricultural chemicals
   * Poor irrigation methods
   * Excessive use of agricultural fertilisers
   * Improper dumping of plastic wastes and materials.  
     (Award any other relevant answer)
3. * Herbicides.
   * Fertilisers.
   * Fungicides.
4. * Maintaining or protecting something so that it is not wasted or losi
   * Refers to maintaining water as a natural resource and ensuring it is not lost or wasted to be used for future use.
5. * Harvesting
   * Recycling
   * Re-using
   * Storing water iin dams
6. * Ensures continuous supply of water
   * Helps in maintaing hydrological balance
   * Helps in retaining water for longer periods after the rains
7. * Safe disposal of plastic wastes.
   * Using the correct types and amount of fertilizer.
   * Farmers to be encouraged to practice crop rotation to protect soil fertility.
   * Waste materials can be recycled to reduce disposal.
   * Minimizing use of pesticides and herbicides on the farm.  
     (Award any other relevant answer)
8. It causes leaching of the soil.
9. This refers to various farming operations which are carried out on a farm with least disturbance to the soil.
10. 1. Mulching - helps to prevent water loss from the soil by not exposing it to direct sunlight
    2. Uprooting of weeds - helps in ensuring minimum disturbance to the soil.
    3. Slashing weeds - weeds compete for water with crops from soil. Slashing the weeds will prevent water loss through transpiration.   
       (Award any other relevant answers)
11. * Earth basins
    * Water retention ditches
    * Water retention pits.
12. Agro-forestry- is deliberate growing of crops, trees and animals on the same piece of land.
13. * Casuriana
    * Grevillea.
14. * Dry sticks
    * Polythene bags
    * Leaves and grass.
15. * Splash erosion
    * Sheet erosion
    * Rill erosion
    * Gulley erosion.
16. * Sunken beds
    * Shallow pits.