

# **FORM FOUR CLUSTER KCSE MODEL 7**

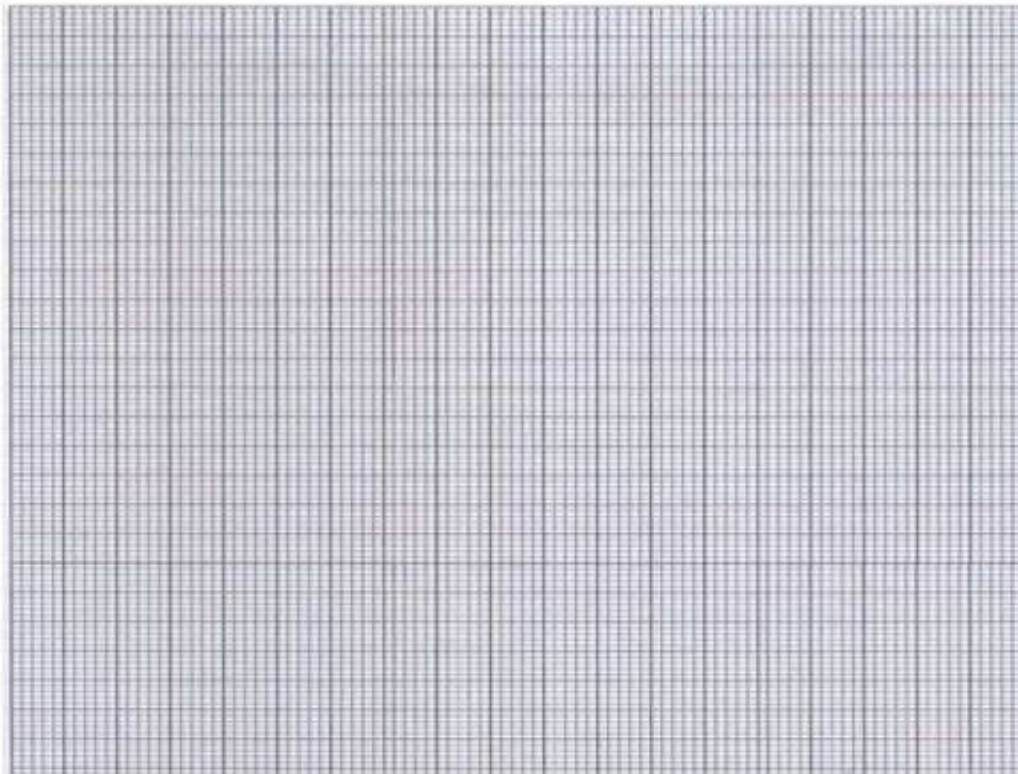
## **AGRICULTURE PAPER 1 QUESTIONS**

### **SECTION A (30 Marks)**

- 1. Distinguish between soil texture and soil structure**
  - 2. Differentiate between olericulture and pomology as used in crop production**
  - 3. State four advantages of drip irrigation :**
  - 4. List four environmental factors that influence crop production in Kenya**
  - 5. Give four reasons for planting crops at the correct spacing**
  - 6. State FOUR effect of soil erosion on crop farming**
  - 7. Give FOUR advantages of multiple stem pruning over single stem pruning in coffee**
  - 8. (a)What is minimum tillage? (1mk)**  
**(b)Mention FOUR farming practices that may help to achieve minimum tillage. (2mks)**
  - 9. (a)What is Agroforestry? (1mk)**  
**(b) Give two reasons why agro forestry is considered an important practice in Agriculture. (1mk)**
  - 10. (a) State THREE ways in which the government policies influence AGRICULTURE in Kenya . (1 ½ mks)**  
**(b)Apart from the government policies name any other human factor that influence farming in Kenya. (1½mks)**
  - 15. State THREE safety precautions a farmer would observe when using chemicals to control weeds**
  - 16. Give THREE function of calcium to crops**
- ### **SECTION B (20 Marks)**
- 17. .The table below shows demand and supply of Bananas at Matisi market**

Price (ksh)	Quantity demanded (in bunches)	Quantity supplied (in bunches)
1200	50	250
1000	90	200
800	150	150
600	225	70
400	335	0

(i) Using suitable scale, draw and label a graph showing the relationship between the demand and supply of bananas at Matisi market (5mks)



(ii) What is the equilibrium price of the bananas? (1mk)

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(iii) From the graph determine:

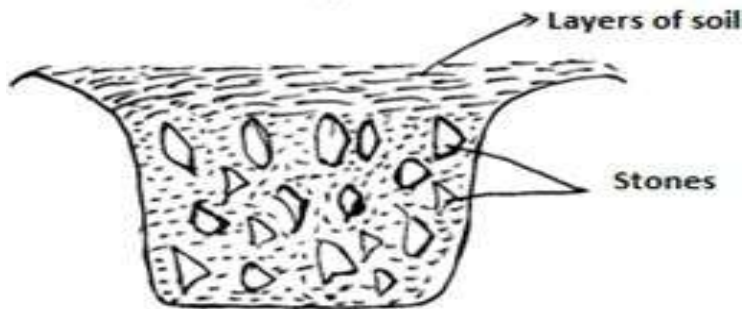
(a) The number of bunches of bananas that would be bought if the price per bunch is ksh 900/= (2mks)

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**(b) The price of a bunch of bananas if 180 bunches are supplied**

**(2mks)**.....  
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**18. Study the illustration below and answer the question that follows.**



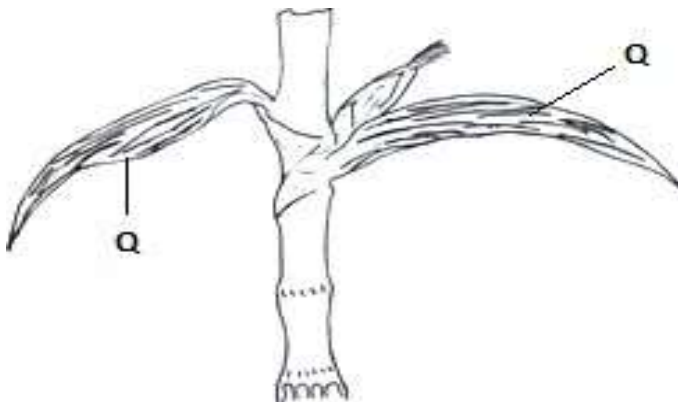
**(a) Identify the method of drainage illustrated above**

**(1mk)**.....  
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**(b) How does the above illustrated drainage method facilitate drainage of water in a swampy area. (1mk)**.....  
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**(c) State THREE reasons why drainage is considered an important practice in land reclamation. (3mks)**

**19. The illustration below shows a maize plant attacked by a certain disease indicated by symptoms marked Q**



(a) Identify the disease (1mk).....  
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(b) State the symptom of attack illustrated in the above maize plant (1mk).....  
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(c) State THREE control measures for the disease illustrated above. (3mks).....  
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**SECTION C (40 Marks)**

**20. (a) Describe :**

**(a) The establishment of pasture grass (7mks)**

**(b) The silage making process (7mks)**

**(c) Field preparation and planting of Carrots (6mks)**

**21. (a) Describe FIVE factors that influence soil erosion (10mks)**

**(b) Describe FIVE cultural methods for controlling crop weeds (10mks)**

**22. (a) Explain FIVE functions of Agricultural Marketing in Kenya (10mks)**

**(b) Name and explain FIVE types of risks and uncertainty encountered in farming (10mks)**