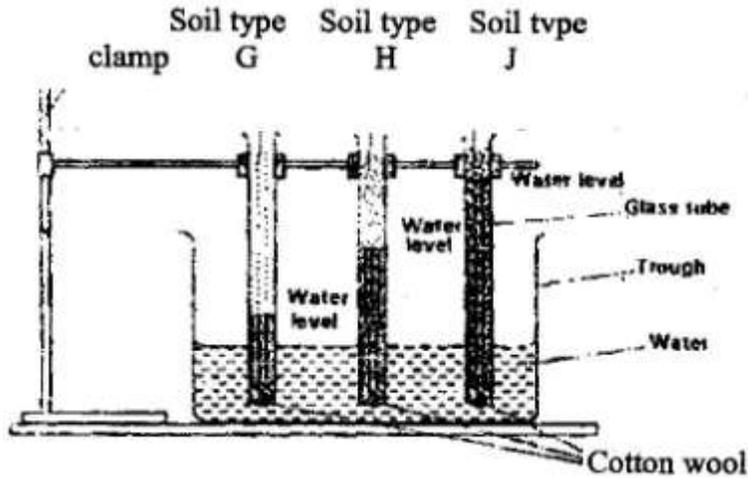


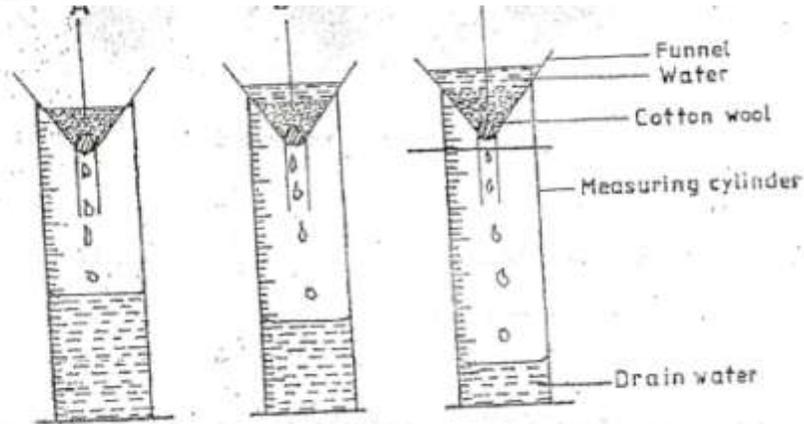
FACTORS INFLUENCING AGRICULTURE

1. **1995**
List four environmental factors that affect crop distribution in Kenya.
.....
2. **1996**
State two ways by which wind affects the growth of crops.
.....
3. **1997**
 - a) State two ways by which wind affects the growth of crops.
.....
 - b) Give two roles of micro-organisms in the soil that are beneficial to crops
.....
 - c) State three properties of soil that are influenced by its texture.
.....
4. **1999**
List down the four aspects of rainfall that affect agriculture.
.....
5. **1999**
Describe the environmental conditions that may lead to low crop yields.
.....
6. **2000**
Outline three effects of soil organisms which benefit crop growth.
.....
7. **2001**
State two causes of hard pan in a crop yield.
.....
8. **2002**
 - a) Name two processes of rock weathering.
.....
 - b) Differentiate between soil texture and soil structure.
.....
 - c) State three benefits of good soil structure in crop production.
.....
9. **2003**
 - a) List two aspects of light that influence crop growth.
.....
 - b) The diagram below shows an experiment set up using soil types &, H and J and observations made after 24 hours. Study the diagram and answer the questions that follow.



- i) What is the experiment represented above designed to study?
.....
 - ii) Name the three soil types & H and J.
.....
 - iii) What is the characteristic texture of soil types G and J?
.....
 - iv) State how a farmer would improve the structure of soil type G.
.....
- 10. 2004**
- a) Give 3 reasons why soil is important to crops.
.....
 - b) State two benefits of optimum soil temperature in crop production.
.....
 - c) Give 3 factors of soil that influence soil productivity.
.....
- 11. 2004**
- Give three reasons why soil is important to crops.
.....
- 12. 2004**
- a) Give four reasons why a well drained soil is suitable for crop production.
.....
 - b) State two benefits of optimum soil temperature in crop production.
.....
 - c) Give three soil factors that influence soil productivity.
.....
- 13. 2005**
- State three advantages of adding organic matter to sandy soil.
.....
- 14. 2005**
- a) State two roles of good soil aeration in crop growth.
.....
 - b) Give two roles of micro-organisms in the soil that are beneficial to crops.
.....
 - c) State three properties of soil that are influenced by its texture.
.....

15. **2006 Q2 P1**
State three ways by which biological agents can enhance the process of soil formation
(1 ½ marks)
16. **2007 Q2, 3 P1**
2. List **three** physical weathering agents in the soil formation process (1½marks)
3. State **two** mechanical methods of separating soil particles according to size during soil analysis (1marks)
17. **2008 Q2 P1**
State two effects of HIV/AIDS on agricultural production (1marks)
18. **2008 Q4 P1**
Distinguish between soil structure and soil texture (1mark)
19. **2009 Q12 P1**
Give two roles of soil micro- organism those are beneficial to crops. (1 mark)
20. **2009 Q15 P1**
State two harmful effects of strong wind on crop production. (1 mark)
21. **2009 Q20 P1**
Name four natural factors that may influence soil erosion (1 mark)
22. **2009 Q23 P1**
The diagram below illustrates an experiment on soil. Study it carefully and answer the questions that follow.



- (a) State the aim of the experiment (1mark)
- (b) If the volume of water illustrated in the measuring cylinder was observed after one hour identify the soil sample labeled A and B. (½ mark)
- (c) State two ways in which the soil structure of the sample labeled C above can be improved (2 marks)

23. **2010 Q23c P1**
 State five soil factors that should be considered when selecting a crop to grow in an area

24. **2010 Q24a P1**
 Outline five ways in which high temperature affects agricultural production in Kenya.
 (5 marks)

25. **2011 Q28a P1**
 Explain five ways in which biotic factors influence crop production in agriculture
 (5marks)

26. **2012 Q2 P1**
 State four biotic factors that influence crop production. (2marks)

27. **2012 Q24c P1**
 Explain the different ways in which each of the following environmental factors influence crop production:
- (i) Temperature; (4marks)

 - (ii) Wind. (5marks)
