**GATITU MIXED SECONDARY SCHOOL**

**AGRICULTURE FORM 2 END OF TERM 2 EXAM 2015**

1. What are the necessary precautions observed when carrying out soil sampling? 2mks
2. Distinguish between fertilizer grade and fertilizer ratio 2mks

(b) List **four** elements whose deficiency results into chlorosis in plants 3mks

3. A compound of fertilizer has a fertilizer grade of 25:10:5.calculate the mount

of phosphorus fore sent in 400kg of this fertilizer 3mks

b) The diagram below illustrate methods of collecting soil sample from a field

**2**

X

X

X

X

X

X

X

X

X

X

X

X

X

**1**

X

X

X

**3**

**4**

**5**

**8**

**7**

**6**

**10**

**9**

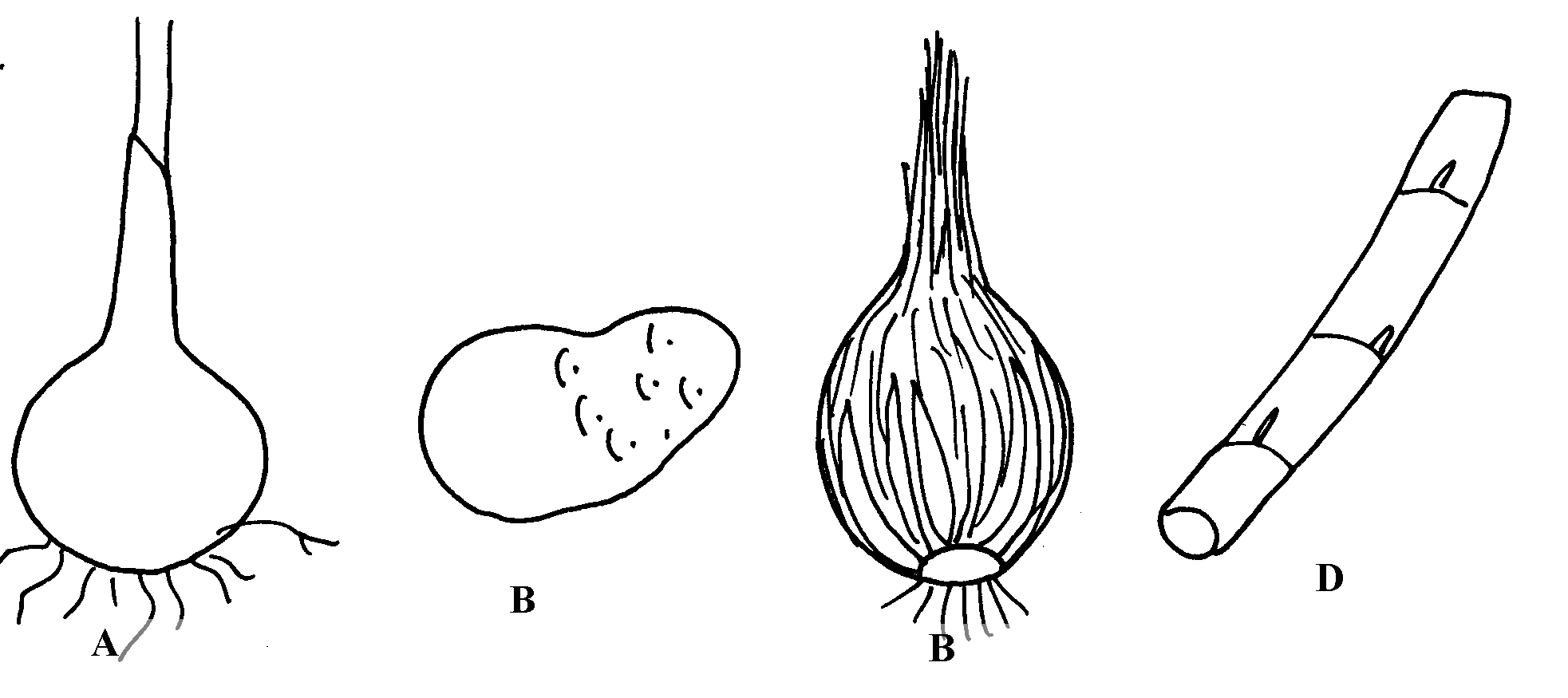
1. Identify the methods illustrated 1- 1mk
2. xx 1mk

1. State **three** importance of carrying out soil sampling and testing 3mks

1. What is an incomplete compound fertilizer? 1mk

(b) State **four** reasons why a maize crop continued showing deficiency of potassium despite applications recommended amount of potassic fertilizer 4mks

5. Below are diagrams showing vegetative material used for propagation.



C

1. Name the propagation materials A, B, C, D 4mks

1. What is the term used for inducing **B** to start germinating? 1mk

1. State **four** advantages of vegetative propagation on crop production 4mks

1. State **two** advantages of adding organic matter to sandy soil 2mks

1. A farmer planted 100 maize seeds and 90 seeds germinated.

Calculate the germination percentage 3mks

b) Given that maize is planted at a spacing of 75cm by 25cm, calculate the plant population in a plot measuring 4m by 3m 3mks

1. Give **four** qualities of a mother plant which should be considered when selecting vegetative Material for propagation 4mks