

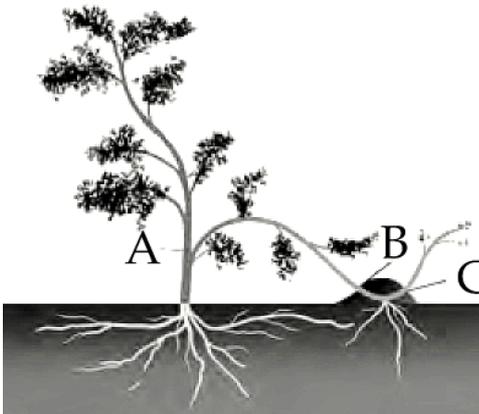
UNIT TEST - BASIC SCIENCE

TIME:40 Minutes

Towards A Hundredfold yield

MARK:20

ACTIVITY 1



- a) Identify the type of layering shown in the figure
- b) While layering in this way, at which position should we cut the plant A, B, or C

Answer

- a).....
- b).....

C) Write one example of new sapling from roots, stems, leaves and underground stem

Answer

Root.....

Stem.....

Leaves.....

Underground Stem.....

ACTIVITY 2

Choose the correct word from the brackets for the following statements

- a) It is the method of production of sapling by joining the stem of superior quality plant with another plant that has root and belongs to the same species
- b) It is the production of sapling by cutting and planting the stem of mother plant after generating roots from it
- c) It is the production of saplings done by bending along branches into the soil and covering the branches with soil at nodes
- d) It is the production of superior quality planting by joining the bud of a superior quality plant with another plant that has roots and belongs to the same species
- e) It is the method of production of seeds by artificial pollinating two plants which have different qualities and belongs to the same species

(Budding, Hybridization, Grafting, Layering, Serpentine Layering)

Answer

a.....

b.....

c.....

d.....

e.....

Match the following

- a) Cuniculture
- b) Pisciculture.
- c) Apiculture
- d) Floriculture

- 1) Growing Flowers
- 2) Rearing Honey bee
- 3) Rearing rabbits
- 4) Rearing Fishes

Answer

- a.....
- b.....
- c.....
- d.....

ACTIVITY 3

Arrange the step of artificial polination

- Pollen grains thus collected are deposited on the stigma of the flower which is to be pollinated artificially.
- The flower is wrapped well to prevent the pollen grains from other flowers falling on it.
- To prevent self pollination, remove stamens from the flowers in which artificial pollination is to be done.
- The flower is wrapped again to prevent pollination from other flowers.
- Pollen grains from flowers of a plant belonging to the same species, but having different qualities, are collected using a brush.

Answer

Stage1..... Stage 2..... Stage 3. Stage 4..... Stage 5.....

Write a example for the Hybridization seed of following Plants

Chilli.....

Pea.....

Paddy.....

Coconut.....

Lady's Finger.....

ACTIVITY 4

Look at the picture.

stem



A



B

- Identify stock and scion from A and B.
- What is the advantage of attaching the stem of Malgoa to the local variety of mango tree?
- Is there any merit in attaching the stem of a local variety of mango tree to the same variety?

Answer

a) A..... B.....

b)

c)

Write the full name and research varieties of following research centre

KAU

CTCRI

RRII