

WORKSHEET 1

A plant that completes its life cycle, from germination to the production of seed, within one year, and then dies is called

- A. perennial plant
- B. annual plant
- C. Biennial plant
- D. short plant

A group of trees planted and cultivated to bear fruits and nuts referred to as

- A. Grove
- B. sapling
- C. soft wood
- D. hard wood

The maintenance process of those soil surface that gets too hard due to dehydration and compression can be corrected through

- A. Edging
- B. spiking
- C. scarifying
- D. Feeding

a) Name two methods used to produce superior crops on a farm. (2 marks)

b) Differentiate between a tender plant and a hardy plant in relation to temperature variations. (2 marks)

c) Perlite is an ingredient in a potting mix. State its function in a potting mix. (1 mark)

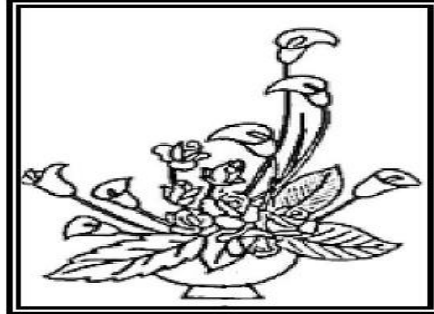
d) Pot plants can be irrigated in four different ways. Identify and explain how the method chosen is performed on a pot plant. (2 marks)

e) Briefly explain one advantage of using seeding method when planting lawns. (2 marks)

f) List one factor to consider when matching a tree to a site.

(1 mark)

The diagram below illustrates a floral arrangement.



Source: <http://suesfamilyflowersandfunstuff.blogspot.com>

The **visual balance design** illustrated in the flower arrangement above is

- A. open.
- B. radial.
- C. symmetrical.
- D. asymmetrical.

Differentiate between a photophilous plant and a sciophilous plant in relation to site selection for propagation.

(2 marks)

The diagram below illustrates one step in removing a plant from a pot.



Source: <http://d2r5da613aq50s.cloudfront.net>

In **three** clear steps, discuss how an established plant is removed from a pot. (3 marks)

State **one** reason why spiking is carried out during the maintenance of a lawn. (1 mark)

Explain **one** silvicultural method used to control pest attacks on established trees.

(2 marks)

State **one** reason why the majority of fruit trees in Fiji are **not** cultivated in orchards. (1 mark)

State **one way** in which farmers can ensure that tree crops are not affected by salt spray. (1 mark)

Differentiate between softwood and hardwood in relation to the type of trees they are harvested from. (2 marks)

Name the **main** product of the Paper Mulberry shrub in Fiji. (1 mark)

Explain **why** hedges are regularly pruned. (2 marks)

State **one** reason for **rolling** during lawn establishment. (1 mark)

Describe the effect of applying Seradix to the bottom end of a rose cutting. (1 mark)

Describe the habitat **most** suited to the propagation of ornamental xerophytes. (1 mark)

State **one** reason why ferns adapt well as indoor pot plants. (1 mark)

To maintain the grass on a school race track **during** the athletics season, which fertilizing material is recommended?

- A. Urea
- B. Compost
- C. Poultry manure
- D. Blood and bone meal

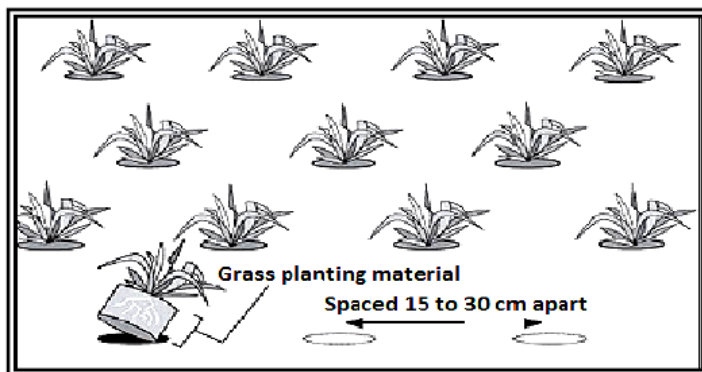
The agricultural discipline concerned with the production of bedding plants, house plants, pot plants and cut ornamental plants is

- A. olericulture.
- B. silviculture.
- C. floriculture.
- D. horticulture.

Soil which is to be used as a component of a potting mix is **heated** to

- A. sublime nutrients left by the last crop.
- B. destroy pathogens and soil organisms.
- C. neutralise the pH of slightly acidic soil.
- D. reduce organic matter on the soil surface.

The diagram below illustrates a method of lawn establishment.



Source: <http://www.extension.missouri.edu>

Which method is it?

- A. Turfing
- B. Seeding
- C. Plugging
- D. Stripping