

Note: The Outcomes and PCs are mandatory and cannot be altered. The IA may be altered by arrangement with SQA. (Where a range of performance is indicated, this should be regarded as an extension of the PCs and is therefore mandatory.)

OUTCOME 1 IDENTIFY COMMERCIALY AVAILABLE PLANTS, CUT FLOWERS AND FOLIAGE

- PCs
- (a) The identification of commercially available plants by common name and plant group is correct.
 - (b) The identification of commercially available cut flowers by variety and colour is correct.
 - (c) The identification of commercially available foliage by common name is correct.
 - (d) The recognition of commercially available plants and foliage by botanical name is correct.

IA Short Answer Questions

The student will be presented with short answer questions to test the knowledge required to identify commercially available plants, cut flowers and foliage.

The exercise will consist of 115 short answer questions allocated as follows:

- (1) Performance Criterion (a) 25
- (2) Performance Criterion (b) 50
- (3) Performance Criterion (c) 10
- (4) Performance Criterion (d) 30, subdivided into:
 - (i) 25 on plants;
 - (ii) 5 on foliage.

Satisfactory achievement of the Outcome will be based on the student producing correct responses as follows:

- (1) (i) 20 out of 25
- (2) (i) 40 out of 50
- (3) (ii) 8 out of 10
- (4) (i) 20 out of 25
(ii) 4 out of 5

OUTCOME 2 STATE THE INDIVIDUAL CARE REQUIREMENTS OF PLANTS

- PCs
- (a) The statement of the method of watering of plants is appropriate to the plant.
 - (b) The statement of the temperature requirement of individual plants is appropriate to the plant.
 - (c) The statement of the method of feeding of individual plants is appropriate to the plant.

IA Short Answer Questions

The student will be presented with short answer questions to test the knowledge required for the individual care requirements of plants.

The exercise will consist of 5 short answer questions subdivided into 3 parts to cover temperature, watering and feeding.

The 5 questions will be allocated to the following plant groups:

- (i) 1 on flowering
- (ii) 1 on foliage
- (iii) 1 on bulbars
- (iv) 1 on succulents
- (v) 1 on ferns

Satisfactory achievement of the Outcome will be based on the student producing 5 correct responses.

OUTCOME 3 IDENTIFY PESTS AND DISEASES WHICH MAY AFFECT THE SALEABLE QUALITY OF COMMERCIALY AVAILABLE PLANTS, CUT FLOWERS AND FOLIAGE

- PCs
- (a) The identification of pests by common name is correct.
 - (b) The identification of diseases by common name is correct.

IA Short Answer Questions

The student will be presented with short answer questions to test the knowledge required to identify common pests and diseases which can affect the saleable quality of commercially available plants, cut flowers and foliage.

The exercise will consist of 5 short answer questions which will be allocated as follows:

- (1) Performance Criterion (a) 3
- (2) Performance Criterion (b) 2

Satisfactory achievement of the Outcome will be based on the student producing correct responses as follows:

- (1) 3 out of 3
- (2) 2 out of 2

**The following sections of the descriptor are offered as guidance.
They are not mandatory.**

CONTENT/CONTEXT

Corresponding to Outcomes 1-3:

1. Students should be referred to trade booklets such as those issued by the Dutch Flower Council which will provide a suitable range of commonly used cut flower and foliage material as well as plants. The lecturer should aim to extend the students' knowledge when selecting species.

Emphasis should be placed on the student's ability to name plant materials by common name, but also on his/her ability to identify material when supplied with the botanical name.

Seasonal bedding plants are not included in this module.

2. Students are expected to be able to know watering methods eg. pot plunging, foliar misting, watering only when compost almost dry etc. in order to state a suitable method for particular plants.

Temperature requirements should be given in terms such as "Require a cool temperature", "Needs warm greenhouse or conservatory temperatures". An appropriate range of temperature given in Fahrenheit or Celsius is equally acceptable.

Feeding methods will normally consist of liquid feeds via the roots or foliage at the intervals or stages recommended by the label or resource book.

3. Pests could include:

Aphids
Fungus gnat fly
Mealy bugs
Scale insects
White fly
Red spider mite
Vine weevil
Leaf miners

Infectious diseases may include:

Rust
Botrytis grey mould
Powdery mildew
Viruses

Wherever possible affected specimens should be provided for student inspection. Where this is not possible colour slides or textbook illustrations may be suitable substitutes.

SUGGESTED LEARNING AND TEACHING APPROACHES

A practical approach should be attempted at all times within the limits of availability of live material. Students could be provided with a comprehensive list of all specimens covered within the module, and introduced to them gradually, a few specimens on several occasions. Student-centred activities would allow the acquisition of the required information which could be held in the student's own notebook. Maintaining specimens for a period of time is one possibility.

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