

# 9.4 Reproduction in Plants

## Question Paper

Course	DP IB Biology
Section	9. Plant Biology (HL Only)
Topic	9.4 Reproduction in Plants
Difficulty	Easy

**Time allowed:** 10  
**Score:** /5  
**Percentage:** /100

### Question 1

Which of the following is **not** involved with the vegetative phase of a flowering plant?

- A. The plant stem elongates
- B. The anthers start producing pollen
- C. The leaves mature and the rate of photosynthesis is rapid
- D. The plant is able to produce clones of itself

[1 mark]

### Question 2

A florist wants to induce flowering in short day pot plants during the summer months.

Which of the following would deliver the required results?

- A. Place the plants in the shade during the day
- B. Keep the plants on a sunny windowsill during the day
- C. Switch the lights off at night so that the plants are in darkness
- D. Place the plants in a completely dark room during part of the day

[1 mark]

### Question 3

Which of the following best describes the mutualistic relationship between flowers and pollinators?

- I. Flowers will benefit from the relationship by producing pollen for pollinators
- II. Pollen is transferred to the next flower that the pollinator visits
- III. Pollinators will benefit from the relationship by pollinating flowers
- IV. Sexual reproduction in flowering plants can occur due to pollinators
- V. Nectar serves as a source of food for pollinators

- A. I., II. and IV.
- B. II., IV. and V.
- C. I., III., IV. and V.
- D. II., III., IV. and V.

[1 mark]

### Question 4

Which of the following correctly identifies the function of each flower part?

	Anther	Ovary	Sepal	Stigma
A.	Pollen is found here	Receives pollen from another flower	Protects the flower bud during development	Contains the female gametes
B.	Pollen is found here	Contains the female gametes	Brightly coloured to attract pollinators	Receives pollen from another flower
C.	Pollen is found here	Contains the female gametes	Protects the flower bud during development	Receives pollen from another flower
D.	Contains the female gametes	Receives pollen from another flower	Brightly coloured to attract pollinators	Pollen is found here

[1 mark]

### Question 5

Which of the following represents the traditional approach to conserving pollinators?

- A. Protecting individual pollinator species
- B. Conserving the species that the pollinators rely on for survival
- C. Protecting the habitat that the pollinators are found in
- D. Preserving the ecological processes within the pollinator ecosystems

[1 mark]