



# BIOLOGY

## BOOKS - NCERT EXEMPLAR

### GETTING TO KNOW PLANTS

#### Multiple Choice Questions

1. Which of the following combination of features would you observe in grass?

- A. Parallel venation and fibrous root
- B. Parallel venation and tap root
- C. Reticulate venation and fibrous root
- D. Reticulate venation and tap root

**Answer: A**



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2. Which of the following is the correct match between the characteristics of stem and the category of plant?

A. weak stem which cannot stand upright:

Creeper

B. green tender stem : Shrub

C. thick, hard stem with branching near the

base: Tree

D. thick, hard stem with branches high on

the plant: Herb

**Answer: A**



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3. Which of the following is not the primary function of stem?

A. Conduction of water

B. Photosynthesis

C. Formation of branches

D. Bears flowers and fruits

**Answer: B**



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4. Which of the following is not a correct match?

A. Petiole : attaches leaf to stem

B. Lamina : green flat part of leaf

C. Margin : gives shape to the leaf

D. Veins : transpiration

**Answer: D**



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5. Read the following sentences about photosynthesis:

(i) Sunlight, carbon dioxide, chlorophyll and water are necessary.

(ii) Oxygen is absorbed.

(iii) Leaves carry out photosynthesis.

(iv) Proteins are made during photosynthesis.

Choose the correct pair of sentences that are true to photosynthesis.

A. (iii) and (iv)

B. (i) and (iii)

C. (ii) and (iv)

D. (i) and (iv)

**Answer: B**



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**6.** Which of the following terms constitute the female part of the flower.

A. sepals, petal and stamen

B. stigma, style and ovary

C. ovary, stamen and stigma

D. ovary, style and stamen

**Answer: B**



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## Very Short Answer Questions Fill In The Blanks

1. The small green leaves at the base of flowers are known as -----.



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2. The swollen basal part of the pistil is the -----  
----- which bears the -----.

- A. Stigma, sepals
- B. Ovary, ovules
- C. Ovules, Ovary
- D. None of the above

**Answer: B**



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3. Stamen has two parts called ----- and -----  
-----.

- A. Anther, filament
- B. Anther, stigma
- C. Stigma, filament
- D. None of the above

**Answer: A**



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4. The young unopened flower is termed as ----  
-----.

A. Fruit

B. Seed

C. Bud

D. None of the above

**Answer: C**



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5. Solve the riddles given below:

“I have a green tender stem and I am much shorter than you. Who am I?”

A. Creepers

B. Herb

C. Shrub

D. Tree

**Answer: B**



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**6.** Solve the riddles given below:

I come out first from the seed when it is soaked in water. I provide anchorage to plants.

Who am I? Write another function that I perform.

A. Stem

B. Ovules

C. Bud

D. Root

**Answer: D**



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## Short Answer Questions

1. Boojho wanted to test the presence of starch in leaves. He performed the following steps.

He took a leaf and boiled it in water.

He did not get the expected result. Which step did he miss? Explain.



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2. Boojho wanted to test the presence of starch in leaves. He performed the following steps.

He placed the leaf in a petri dish and poured some iodine over it.

He did not get the expected result. Which step did he miss? Explain.



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3. Will a leaf taken from a potted plant kept in a dark room for a few days turn blue black when tested for starch? Give reasons for your answer.



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4. Can the stem of a plant be compared with a street with two-way traffic? Give reason.



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## Long Answer Questions

1. Identify the wrong statements and correct them.

Anther is a part of the pistil.



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2. Identify the wrong statements and correct them.

The visible parts of a bud are the petals.



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3. Identify the statement as wrong or correct.

Give reason.

Lateral roots are present in a tap root.

A. Correct

B. Incorrect

C. Maybe

D. In some plants only

**Answer: A**



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4. State True or False. Also state the reason.

Leaves perform the function of transpiration only.



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5. Fill in the blanks with the terms that are listed below: anther, male, ovary, ovule, petals, pistil, stamen, and filament.

Sepals, \_\_\_(a)\_\_\_, stamens and \_\_\_(b)\_\_\_ are the

parts of a flower. Stamen is made up of \_\_\_(c)\_\_\_ and \_\_\_(d)\_\_\_ and it represents the \_\_\_(e)\_\_\_ part of the flower. The female part of the flower is called the \_\_\_(f)\_\_\_ . The basal, swollen part of the pistil is called the \_\_\_(g)\_\_\_ which contains the \_\_\_(h)\_\_\_ .



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