

# Step Academy official

Model Town Grw PH: 03016652757

STUDENT NAME	
PAPER CODE	39312
TIME ALLOWED	40
Paper Date	09-02-2026



CLASS	New 1st Year (FSC/ICS)
SUBJECT	Biology
TOTAL MARKS	25
Paper Type	

## Q1. Choose the correct answer.

5X1=5

1. What is secondary growth?

- (A) Formation of leaves      (B) Elongation of roots      (C) Increase in thickness      (D) Decrease in height

2. What causes spring wood to appear lighter?

- (A) Absence of xylem      (B) Thicker cell walls      (C) Wider vessels and high cambial activity      (D) Less water absorption

3. Gibberellins promote which of the following?

- (A) Seed dormancy      (B) Leaf senescence      (C) Bolting in rosette plants      (D) Root growth inhibition

4. What do freshwater hydrophytes use to remove excess water?

- (A) Salt glands      (B) Stomata      (C) Hydathodes and vacuoles      (D) Leaf hairs

5. A plant with succulent leaves and saline tolerance is a:

- (A) Mesophyte      (B) Halophyte      (C) Xerophyte      (D) Hydrophyte

## Q2. Write short answers of the following questions.

5X2=10

1 . Why do guard cells lose turgor pressure at night?

2 . Where are apical meristems located?

3 . What is the main auxin found in plants?

4 . Why do marine organisms sometimes not require osmoregulation?

5 . Why is rapid chilling more harmful to plants than gradual cooling?

## Q3. Write detailed answers of the following questions.

2X5=10

1 . How does Pressure Flow Theory explain the movement of sugars through a plant?

2 . Describe the mechanism of opening and closing of stomata?