

# PYQSide

## NEET PLANT GROWTH AND DEVELOPMENT — GROWTH: PHASES, GROWTH RATES (ARITHMETIC, GEOMETRIC) AND CONDITIONS — PYQS

Max. Marks: 24

Questions: 6

### Section A (MCQ)

**Q.1** Which one of the following is not a characteristic of plant cells in the phase of elongation ?

[NEET (UG) 2026]

- (1) New cell wall deposition
- (2) Cell enlargement
- (3) Large conspicuous nuclei
- (4) Increased vacuolation

Scan or tap for the full solution



**Q.2** Length of the stem at time 0 is 20 cm. The arithmetic growth rate is 30 cm per day. What is the length of the stem at the end of the 7<sup>th</sup> day?

[RE-NEET (UG) 2026]

- (1) 460 cm   (2) 50 cm   (3) 170 cm   (4) 230 cm

Scan or tap for the full solution



**Q.3** The process of growth is maximum during

[NEET (UG) 2020]

- (1) Log phase                      (2) Lag phase
- (3) Dormancy                      (4) Senescence

Scan or tap for the full solution



**Q.4** Typical growth curve in plants is

[AIPMT 2015 (Cancelled)]

- (1) stair-steps shaped              (2) parabolic
- (3) sigmoid                          (4) linear.

Scan or tap for the full solution



**Q.5** Opening of floral buds into flowers, is a type of

[AIPMT 2007]

- (1) autonomic movement of variation
- (2) paratonic movement of growth
- (3) autonomic movement of growth
- (4) autonomic movement of locomotion

Scan or tap for the full solution



**Q.6** The maximum growth rate occurs in :-

[AIPMT 2004]

- (1) Exponential phase              (2) Stationary phase
- (3) Senescent phase                (4) Lag phase

Scan or tap for the full solution



### ANSWER KEY

| Ques. | 1 | 2 | 3 | 4 | 5 | 6 |  |  |  |  |  |
|-------|---|---|---|---|---|---|--|--|--|--|--|
| Ans.  | 3 | 4 | 1 | 3 | 3 | 1 |  |  |  |  |  |