

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

Max. Marks: 24

Questions: 6

### Section A (MCQ) — 6 questions

**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 |  |  |  |  |  |