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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

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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 7th day?

[RE-NEET (UG) 2026]

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

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Q.3 The process of growth is maximum during

[NEET (UG) 2020]

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

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Q.4 Typical growth curve in plants is

[AIPMT 2015 (Cancelled)]

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

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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

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Q.6 The maximum growth rate occurs in :-

[AIPMT 2004]

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

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ANSWER KEY

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