

## NEET PLANT GROWTH AND DEVELOPMENT — DEVELOPMENT AND PLASTICITY — PYQS

**Max. Marks: 24**
**Questions: 6**

### Section A (MCQ) — 6 questions

**Q.1** Heterophyllous development in response to environment is an example of which of the following phenomena? [NEET (UG) 2026]

- (1) Redifferentiation (2) Dedifferentiation  
(3) Elasticity (4) Plasticity

Scan or tap for the full solution



**Q.2** Which one of the following plants does not show plasticity? [NEET (UG) 2022]

- (1) Cotton (2) Coriander  
(3) Buttercup (4) Maize

Scan or tap for the full solution



**Q.3** The ability of plants to follow different pathways in response to environment leading to formation of different kinds of structures is called

[NEET (UG) 2022 (Phase 2)]

- (1) Differentiation (2) Redifferentiation  
(3) Development (4) Plasticity

Scan or tap for the full solution



**Q.4** Plants follow different pathways in response to environment or phases of life to form different kinds of structures. This ability is called

[NEET (UG) 2021]

- (1) Maturity (2) Elasticity  
(3) Flexibility (4) Plasticity

Scan or tap for the full solution



**Q.5** A few normal seedlings of tomato were kept in a dark room. After a few days they were found to have become white-coloured like albinos. Which of the following terms will you use to describe them?

[AIPMT 2014]

- (1) Mutated (2) Embolised  
(3) Etiolated (4) Defoliated

Scan or tap for the full solution



**Q.6** Which of the following best illustrates "FEEDBACK" in development ?

[NEET 2013 (Karnataka)]

- (1) As tissue (X) develops, it secretes something that induces tissue (Y) to develop  
(2) As tissue (X) develops, it secretes something that slows down the growth of tissue (Y)  
(3) Tissue (X) secretes RNA which changes the development of tissue (Y)  
(4) As tissue (X) develops, it secretes enzymes that inhibit the development of tissue (Y)

Scan or tap for the full solution



### ANSWER KEY

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