

NEET PLANT GROWTH AND DEVELOPMENT — DIFFERENTIATION, DEDIFFERENTIATION AND REDIFFERENTIATION — PYQS

Max. Marks: 16

Questions: 4

Section A (MCQ) — 4 questions

Q.1 Formation of interfascicular cambium from fully developed parenchyma cells is an example for

[NEET (UG) 2024]

- (1) Differentiation (2) Redifferentiation
(3) Dedifferentiation (4) Maturation

Scan or tap for the full solution



Q.2 In tissue culture experiments, leaf mesophyll cells are put in a culture medium to form callus. This phenomenon may be called as

[NEET (UG) 2023]

- (1) Dedifferentiation (2) Development
(3) Senescence (4) Differentiation

Scan or tap for the full solution



Q.3 The phenomenon by which the undividing parenchyma cells start to divide mitotically during plant tissue culture is called as

[NEET (UG) 2022 (Phase 2)]

- (1) Secondary growth (2) Differentiation
(3) Dedifferentiation (4) Redifferentiation

Scan or tap for the full solution



Q.4 Senescence as an active developmental cellular process in growth and functioning of a flowering plant, is indicated in

[AIPMT 2008]

- (1) annual plants
(2) floral parts
(3) vessels and tracheid differentiation
(4) leaf abscission

Scan or tap for the full solution



ANSWER KEY

Ques.	1	2	3	4							
Ans.	3	1	3	3							