

NEET SEXUAL REPRODUCTION IN FLOWERING PLANTS — POST-FERTILISATION: ENDOSPERM AND EMBRYO DEVELOPMENT — PYQS

Max. Marks: 40

Questions: 10

Section A (MCQ) — 10 questions

Q.1 Which one of the following is a triploid cell ?

[NEET (UG) 2026]

- (1) Synergid
- (2) Primary endosperm cell
- (3) Central cell
- (4) Zygote

Scan or tap for the full solution 

Q.2 If the diploid chromosome number of typical angiosperm is 36, what would be the chromosome number in its endosperm? [RE-NEET (UG) 2026]

- (1) 72 (2) 18 (3) 36 (4) 54

Scan or tap for the full solution 

Q.3 Match **List-I** with **List-II**

List - I		List - II	
A.	Scutellum	I.	Persistent nucellus
B.	Non-albuminous seed	II.	Cotyledon of Monocot seed
C.	Epiblast	III.	Groundnut
D.	Perisperm	IV.	Rudimentary cotyledon

Choose the option with all correct matches.

[NEET (UG) 2025]

- (1) A-IV, B-III, C-I, D-II (2) A-II, B-IV, C-III, D-I
(3) A-II, B-III, C-IV, D-I (4) A-IV, B-III, C-II, D-I

Scan or tap for the full solution 

Q.4 The morphological nature of the edible part of coconut is [NEET 2017]

- (1) cotyledon (2) endosperm
(3) pericarp (4) perisperm

Scan or tap for the full solution 

Q.5 The coconut water from tender coconut represents

[NEET 2016 (Phase 1)]

- (1) free nuclear proembryo
(2) free nuclear endosperm
(3) endocarp
(4) fleshy mesocarp.

Scan or tap for the full solution 

Q.6 The wheat grain has an embryo with one large, shield shaped cotyledon known as [AIPMT 2015]

- (1) scutellum (2) coleoptile
(3) epiblast (4) coleorhiza.

Scan or tap for the full solution 

Q.7 Coconut water from a tender coconut is

[AIPMT 2015]

- (1) innermost layers of the seed coat
(2) degenerated nucellus
(3) immature embryo
(4) free nuclear endosperm.

Scan or tap for the full solution 

Q.8 What would be the number of chromosomes of the aleurone cells of a plant with 42 chromosomes in its root tip cells? [AIPMT 2011 (Prelims)]

- (1) 42 (2) 63 (3) 84 (4) 21

Scan or tap for the full solution 

Q.9 In a cereal grain the single cotyledon of embryo is represented by [AIPMT 2006]

- (1) coleoptile (2) coleorhiza
(3) scutellum (4) prophyll.

Scan or tap for the full solution 

Q.10 When a diploid female plant is crossed with a tetraploid male, the ploidy of endosperm cells in the resulting seed is [AIPMT 2004]

- (1) tetraploidy (2) pentaploidy
(3) diploidy (4) triploidy

Scan or tap for the full solution 

ANSWER KEY

Ques.	1	2	3	4	5	6	7	8	9	10	
Ans.	2	4	3	2	2	1	4	2	3	1	