

PYQSide

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

Max. Marks: 40

Questions: 10

Section A (MCQ)

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

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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

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

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

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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.

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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.

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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.

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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

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

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

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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

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ANSWER KEY

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