

PYQSide

NEET SEXUAL REPRODUCTION IN FLOWERING PLANTS — DOUBLE FERTILISATION — PYQS

Max. Marks: 28

Questions: 7

Section A (MCQ)

Q.1 In angiosperm, the haploid, diploid and triploid structures of a fertilized embryo sac sequentially are : [NEET (UG) 2023]

- (1) Antipodals, synergids, and primary endosperm nucleus
- (2) Synergids, Zygote and Primary endosperm nucleus
- (3) Synergids, antipodals and Polar nuclei
- (4) Synergids, Primary endosperm nucleus and zygote

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Q.2 What is the fate of the male gametes discharged in the synergid? [NEET (UG) 2019]

- (1) One fuses with the egg, other(s) fuse(s) with synergid nucleus.
- (2) One fuses with the egg and other fuses with central cell nuclei.
- (3) One fuses with the egg, other(s) degenerate(s) in the synergid.
- (4) All fuse with the egg.

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Q.3 Double fertilization is [NEET 2018]

- (1) fusion of two male gametes of a pollen tube with two different eggs
- (2) fusion of one male gamete with two polar nuclei
- (3) fusion of two male gametes with one egg
- (4) syngamy and triple fusion

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Q.4 Double fertilisation is exhibited by [NEET 2017]

- (1) algae
- (2) fungi
- (3) angiosperms
- (4) gymnosperms

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Q.5 Through which cell of the embryo sac, does the pollen tube enter the embryo sac? [AIPMT 2005]

- (1) Egg cell
- (2) Persistent synergid
- (3) Degenerated synergids
- (4) Central cell

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Q.6 In angiosperms pollen tubes liberate their male gametes into the [AIPMT 2002]

- (1) central cell
- (2) antipodal cells
- (3) egg cell
- (4) synergids

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Q.7 Endosperm is formed during the double fertilization by [AIPMT 2000]

- (1) two polar nuclei and one male gamete
- (2) one polar nucleus and one male gamete
- (3) ovum and male gamete
- (4) two polar nuclei and two male gametes

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ANSWER KEY

Ques.	1	2	3	4	5	6	7				
Ans.	2	2	4	3	3	4	1				