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NEET SEXUAL REPRODUCTION IN FLOWERING PLANTS — DOUBLE FERTILISATION — PYQS

Max. Marks: 28 **Questions:** 7

Section A (MCQ) — 7 questions

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				