

## 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

Scan or tap for the full solution



**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

Scan or tap for the full solution



### ANSWER KEY

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