

NEET SEXUAL REPRODUCTION IN FLOWERING PLANTS — OUTBREEDING DEVICES AND POLLEN–PISTIL INTERACTION — PYQS

Max. Marks: 32

Questions: 8

Section A (MCQ) — 8 questions

Q.1 To ensure that only the desired pollens fall on the stigma in artificial hybridization process

- A. the female flower buds of plant producing unisexual flowers need not be bagged.
- B. there is no need to emasculate unisexual flowers of selected female parent
- C. emasculated flowers are to be bagged immediately after cross pollination
- D. emasculated flowers are to be bagged after removal of anthers
- E. bisexual flowers, showing protogyny are never selected for cross

Choose the correct answer from the options given below

[NEET (UG) 2022 (Phase 2)]

- (1) A, D and E only
- (2) A, B and C only
- (3) B, C and D only
- (4) B, C and E only

Scan or tap for the
full solution



Q.2 A dioecious flowering plant prevents both

[NEET 2017]

- (1) autogamy and geitonogamy
- (2) geitonogamy and xenogamy
- (3) cleistogamy and xenogamy
- (4) autogamy and xenogamy.

Scan or tap for the
full solution



Q.3 Which of the following statements is not correct?

[NEET 2016 (Phase 1)]

- (1) Pollen germination and pollen tube growth are regulated by chemical components of pollen interacting with those of the pistil.
- (2) Some reptiles have also been reported as pollinators in some plant species.
- (3) Pollen grains of many species can germinate on the stigma of a flower, but only one pollen tube of the same species grows into the style.
- (4) Insects that consume pollen or nectar without bringing about pollination are called pollen/nectar robbers.

Scan or tap for the
full solution



Q.4 Flowers are unisexual in

[AIPMT 2015]

- (1) China rose
- (2) onion
- (3) pea
- (4) cucumber.

Scan or tap for the
full solution



Q.5 Transmission tissue is characteristic feature of

[AIPMT 2015 (Cancelled)]

- (1) dry stigma
- (2) wet stigma
- (3) hollow style
- (4) solid style.

Scan or tap for the
full solution



Q.6 Both, autogamy and geitonogamy are prevented in

[AIPMT 2012 (Prelims)]

- (1) Papaya
- (2) cucumber
- (3) castor
- (4) maize.

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full solution



Q.7 What does the filiform apparatus do at the entrance into ovule?

[AIPMT 2008]

- (1) It brings about opening of the pollen tube.
- (2) It guides pollen tube from a synergid to egg.
- (3) It helps in the entry of pollen tube into a synergid.
- (4) It prevents entry of more than one pollen tube into the embryo sac.

Scan or tap for the
full solution



Q.8 Unisexuality of flowers prevents

[AIPMT 2008]

- (1) geitonogamy, but not xenogamy
- (2) autogamy and geitonogamy
- (3) autogamy, but not geitonogamy
- (4) both geitonogamy and xenogamy

Scan or tap for the
full solution



ANSWER KEY

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