



TARGET : NEET (UG) 2024

Course : SARANSH (Youtube Live CRASH COURSE)

BOTANY

DPP

DAILY PRACTICE PROBLEMS

DPP NO. 1

DPP No. : 1 (Sexual reproduction in flowering plants)

SR. No.	DPPs Qs. Details		Marking Scheme				Time Details	
	Type of Questions	Code	Full Marks	(-ve Marks	Total Ques.	Total Marks	Qs Time (in Min.) for Each Qs	Max. Time (in Min.)
1	MULTIPLE CHOICE QUESTION (ONLY ONE CORRECT OPTION)	MCQ	4	-1	10	40	1	10
	Total				10	40		10

- Male gametophyte in angiosperms produces:
 - (1) Single sperm and a vegetative cell
 - (2) Single sperm and two vegetative cells
 - (3) Three sperms
 - (4) Two sperms and a vegetative cell
- Which one of the following statements is correct?
 - (1) Sporogenous tissue is haploid
 - (2) Endothecium produces the microspores
 - (3) Tapetum nourishes the developing pollen
 - (4) Hard outer layer of pollen is called intine
- Proximal end of the filament of stamen is attached to the :
 - (1) Thalamus or petal
 - (2) Anther
 - (3) Connective
 - (4) Placenta
- Which of the following statements is not correct?
 - (1) Some reptiles have also been reported as pollinators in some plant species. ,
 - (2) 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.
 - (3) Insects that consume pollen or nectar without bringing about pollination are called pollen/ nectar robbers.
 - (4) Pollen germination and pollen tube growth are regulated by chemical components of pollen interacting with those of the pistil
- Which of the following has proved helpful in preserving pollen as fossils?
 - (1) Pollenkitt
 - (2) Sporopollenin
 - (3) Oil content
 - (4) Cellulosic intine
- A typical angiosperm embryo sac at maturity is:
 - (1) 7-nucleate and 8-celled
 - (2) 7-nucleate and 7-celled
 - (3) 8-nucleate and 8-celled
 - (4) 8-nucleate and 7-celled

7. Which one of the following statements regarding post-fertilization development in flowering plants is incorrect?
- (1) Ovules develop into embryo sac (2) Ovary develops into fruit
 (3) Zygote develops into embryo (4) Central cell develops into endosperm
8. The ovule of an angiosperm is technically equivalent to
- (1) megaspore (2) megasporangium
 (3) megasporophyll (4) megaspore mother cell
9. Given below are statements
- Statement I** : Cleistogamous flowers are invariable autogamous.
Statement II : Cleistogamy is disadvantageous as there is no chance for cross pollination
- In the light of the above statements, choose the correct answer from the option gives below :
- (1) Statements I is correct but Statements II is incorrect
 (2) Statements I is incorrect but Statements II is correct
 (3) Both Statements I and Statements II are correct
 (4) Both Statements I and Statements II are incorrect
10. A typical microsporangium of angiosperm is surrounded by four wall layers.
- I. Epidermis II. Tapetum III. Middle layer IV. Endothecium
- The correct sequence from outer to inner side is
- (1) II, III, IV, I (2) I, IV, III, II (3) I, II, III, IV (4) IV, III, II, I