

Chapter-1
REETEPRODUCTION IN ORGANISMS

WORKSHEET-4

VSA (1 Marks)

1. There are 380 chromosomes in meiocytes of a butterfly. How many chromosomes does male gamete of butterfly have?
2. Which characteristic property of *Bryophyllum* is exploited by gardeners?
3. Mention the unique flowering phenomenon exhibited by *strobilanthus kunthiana* (Neelakuranji).
4. Mention the unique feature with respect to flowering and fruiting in bamboo species.

SA -I (2 Marks)

5. Higher organisms have resorted to sexual reproduction inspite of its complexity. Why?
6. Bryophytes and Pteridophytes produce a large number of male gametes but relatively very few female gametes. Why?

SA-II (3 Marks)

7. Distinguish between gametogenesis and embryogenesis.
8. Fill the blank spaces a, b, c, and d given in the following table.

S. No.	Organism	Organ	Gamete
(i)	a	Testes	Spermatozoa
(ii)	Human female	b	Ovum
(iii)	Plant (Angiosperm)	c	Pollen grains
(iv)	Plant (Pteridophytes)	antheridium	d

9. (a) Why is vegetative propagation also considered as a type of asexual reproduction?

(b) Which is better mode of reproduction: Sexual or Asexual? Why?

on
App