

C1-ASEXUAL AND SEXUAL REPRODUCTION IN PLANTS

I. CHOOSE THE CORRECT ANSWERS

5 x1=5

1. Identify the correctly matched pair
 - a) Tuber - Allium cepa
 - b) Sucker – Pistia
 - c) Rhizome - Musa
 - d) Stolon -Zingiber
2. Assertion : Sporopollenin preserves pollen in fossil deposits.
Reason : Sporopollenin is resistant to physical and biological decomposition.
 - a) Assertion is true; reason is false
 - b) Assertion is false; reason is true
 - c) Both Assertion and reason are not true
 - d) Both Assertion and reason are true
3. Coelorrhiza is found in
 - a) paddy
 - b) Bean
 - c) Pea
 - d) Tridax
4. Arrange the layers of anther wall from locus to periphery
 - a) Epidermis,middle layers, tapetum, endothecium
 - b) Tapetum, middle layers, epidermis, endothecium
 - c) Endothecium, epidermis, middle layers, tapetum
 - d) Tapetum, middle layers endothecium epidermis
5. Consider the following statement(s).
 - i) In Protandrous flowers pistil matures earlier
 - ii) In Protogynous flowers pistil matures earlier
 - iii) Herkogamy is noticed in unisexual flowers
 - iv) Distyly is present in Primula
 - a) i and ii are correct
 - b) ii and iv are correct
 - c) ii and iii are correct
 - d) i and iv are correct

II VERY SHORT ANSWERS

3 x 2 = 6

6. Define the term Diplospory.
7. What are clones?
8. What is reproduction?

III SHORT ANSWERS

3 x 3 = 9

9. List any two strategy adopted by bisexual flowers to prevent self-pollination.
10. Write short note on Heterostyly
11. "Endothecium is associated with dehiscence of anther" Justify the statement.

IV LONG ANSWERS

1 x 5 = 5

12. Explain the conventional methods adopted in vegetative propagation of higher plants.