

Assignment for M.Sc 2nd Semester, Palaeobotany, palynology and plant reproductive biology(Paper-BOT 202,Unit II)

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1. Define stenopalynous and eurypalynous taxa with example. Which type is important for taxonomic and phylogenetic deductions? Give 4 examples of contribution of pollen morphology to taxonomy. $2+1+2=5$
2. Define aeropalynology. (2).
3. Give the names of some pollen samplers (2)
4. Define pollen calendar and pollen count. State their importance. $1+4=5$
5. Discuss the mechanism of type I allergic reaction caused by pollens with diagram. 5
6. Discuss any three pollen allergies and their cause and symptoms. Name two blood tests for detecting the cause of pollen allergy. 5
7. How the skin test is done for detecting the cause of pollen allergy? 2
8. Name two medicines used to treat pollen allergy. 2
9. How to avoid pollen allergy? 5
10. Discuss different pollen dispersal units with examples. 5
11. Discuss contrivances for self and cross pollination. 5

12. What are the biological and non biological pollen vectors? Discuss their role in pollination. 1+4=5

13. Compare autogamy, geitonogamy, allogamy and xenogamy. 5

Question addition for pollination modes and floral types-

1. Describe the pollination modes and floral types (adaptations) with examples. 5

2. Describe insect pollination and floral types for different insect pollinators (adaptations of flowers.) with examples.

3. Describe bird pollination and floral types for bird pollinators (adaptations of flowers.) with examples

4. Describe bat pollination and floral types for different insect pollinators (adaptations of flowers.) with examples.

5. Give the adaptations of wind pollinated plants.