2026

M.Sc. 2nd Semester Examination

BOTANY

MIDNAPORE CITY COLLEGE ESTD 2017 CENTRAL LIBRARY

Paper : BOTC453X0

[Pollen and Pollination Ecology]

Full Marks : 25 Time : One Hour

The figures in the margin indicate full marks.
Candidates are required to give their answers in their own words as far as practicable.

Group - A

Answer any *two* questions : 2×2=4

1. What is sporopollenin? Mention its chemical nature.
2. What are stenoplaynous and eurypalynous taxa?
3. What is forensic palynology?
4. Mention the term 'bat pollination'. Write down the floral characters of bat pollinated flowers.

P.T.O.

Group - B

Answer any ***two*** questions : 4×2=8

5. Write a note on different types of shapes seen in pollen grains. 4

6. Write briefly about pollen kitt and viscine threads. 2+2

7. What are LO analysis and Edge analysis? 2+2

8. What are allogamous flowers? Mention different types of allogamous flowers found in nature. What is meant by pollination syndrome? 1+1+2

Group - C

Answer any ***one*** question : 8×1=8

9. What is meant by aperture of a pollen grain? Discuss with suitable examples, different types of apertures found in spores/pollen grains. 1+7

10. Define melissopalynology. What are unifloral and multifloral honeys? What is meant by foraging behaviour of honey bees? Name two important crop plants and two fruit plants which serve as important honey bee plants. 2+2+2+2

[Internal Assessment : 5 marks]

MIDNAPORE CITY COLLEGE
ESTD 2017
CENTRAL LIBRARY