2026

M.Sc. 2nd Semester Examination

BOTANY

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Paper : BOTC452X0

[Palaeobotany and Early Life Forms]

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. Define bed. How does it differ from formation?
2. What is meant by principle of superposition of rocks?
3. Name the megafloral elements of Tiki formation.
4. What is index fossil? Write its importance.

Group - B

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

5. Define fossil. In which kind of rocks fossils are being found? Enumerate the process of formation of rocks from where fossils are being unearthed. 1+1+2

P.T.O.

W.T. Blanford

6. Write a short note about the formation of petrified fossils. 4

7. Who proposed continental drift hypothesis? Discuss the evidences in favour of continental drift hypothesis. 1+3

8. Enumerate the significance megafloral elements of Rajmahal formation. 4

Group - C

Answer any ***one*** question : 8×1=8

9. Write down the basis of two-fold classification of Indian Gondwana sequence. Discuss the megafloristics of Talchir and Panchet formations of Damodar valley basin. 2+(3+3)

10. Discuss with suitable examples, the origin of Precambrian life forms. 8

[Internal Assessment : 5 marks]

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