

M. Sc. 2nd Semester Examination, 2025

BOTANY

(Palaeobotany)

PAPER — BOT-202

Full Marks : 25

Time : 1 hour

Answer all questions

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

GROUP—A

Answer any two of the following : 2×2

1. What is meant by erosion of rocks ? What is its fate ?
2. What is amber ?

(Turn Over)

(2)

3. Name two megafloreal elements of Rajmahal formation.
4. What are geologic clocks ?

GROUP-B

Answer any two of the following : 4×2

5. Write down the factors responsible for fossilization process. 4
6. What is continental drift hypothesis ? Why Atlantic ocean is known as expanding ocean ? $2 + 2$
7. Mention the periods of Mesozoic era. Cite one representative megafloreal element from each period. $2 + 2$
8. Write down the important plant mega-fossils of Barakar and Kulti formations. $2 + 2$

(3)

GROUP—C

Answer any **one** of the following : 8×1

9. What is the basis of three fold classification of Indian Gondwana sequence ? Discuss the megafloristics of Parsora and Hartala Hill formations of Son valley basin. $2 + 3 + 3$
10. What are homotaxial beds ? Briefly discuss the role of plant fossils to correlate among different stratigraphic sequences. $2 + 6$

[Internal Assessment — 05 Marks]

