

M.SC.(Botany) Fourth Semester Old
BOT-16.4-Paper-XVI - Palaeobotany (Special)-II

P. Pages : 1

Time : Three Hours



GUG/W/18/2370

Max. Marks : 80

- Notes : 1. All questions are compulsory & carry equal marks.
2. Draw diagrams wherever necessary.

1. What is seed Habit? Describe origin & evolution of seed habit with respect to Archeosperma, Elkinsia & Morentia. 16

OR

Write notes on

- a) Lyginopteris. 8
b) Nilssonia. 8

2. Describe order cordaitales with its phylogenetic consideration. 16

OR

Write note on

- a) Caytonia. 8
b) Glossopteris. 8

3. Describe formation & age of Deccantrap & Intertrap. Describe fossil genus pentoxylon. 16

OR

Write notes on

- a) Cycadeoidea. 8
b) Paleoclimate & paleogeography of Deccan Intertrap. 8

4. Describe important features of spores & pollen morphology & their role in exploration of coal & oil. 16

OR

Write notes on.

- a) Paleo palynological studies of microfossils & its application. 8
b) Stratigraphy & Classification of Indian Gondwana Land. 8

5. Write short notes on
a) Aneurophyton. 4
b) Voltzia. 4
c) Sahnianthus flower 4
d) Index fossil. 4
