

M.Sc.(Botany) (CBCS Pattern) Semester - IV
PSCBOTT15.3 - Paper-XV : Paleobotany-II

P. Pages : 1

Time : Three Hours



GUG/S/23/11360

Max. Marks : 80

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

1. What are progymnosperms. Describe progymnosperms with the help of Aneurophytales and Archaeopteridales. **16**

OR

Write note on

- a) Evolution of seed habit stages. **8**
b) Fossil cycads. **8**

2. Describe the order Caytoniales with its phylogenetic consideration. **16**

OR

Write on:

- a) Glossopteris. **8**
b) Pentoxylon. **8**

3. Describe the formation of Deccan traps and Intertraps? Write about its age and floristic composition in relation to pteridophytes. **16**

OR

Write on:

- a) Fossil Angiosperms **8**
b) Paleoclimate and paleogeography of Deccan Intertraps. **8**

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

OR

Write on:

- a) Stratigraphy and classification of Indian Gondwana land. **8**
b) Paleoecology and paleogeography. **8**

5. Write short notes on:

- a) Williamsonia. **4**
b) Cordaites **4**
c) Fossil Gymnosperms **4**
d) Microfossils & their applications. **4**
