

92075

B.Sc. 3rd Semester (Pass) (New Scheme)

Examination, November-2018

BIO-TECHNOLOGY

Paper-BT-304

Plant Diversity-II

Time allowed : 3 hours]

[Maximum marks : 40

Note : Question paper have nine questions. Attempt five questions in all. Question No. 1 is compulsory. Students will attempt four other questions i.e. one from each unit.

1. Write short note on :

- (a) Sporophyte
- (b) Gametophyte
- (c) Heterospory
- (d) Arnold
- (e) Strobilus

Unit-I

- 2. What are the general features, classification and economic importance of Pteridophytes.
- 3. Explain the life history of fossil pteridophyte-Rhynia.

Unit-II

- 4. Explain the life history of Selaginella.
- 5. What are the different stages of reproduction in Equisetum.

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Unit-III

6. What are the different theories of fossil formation of Gymnosperms.
7. Write short notes on :
 - (a) Telome and steel concept
 - (b) Geological time scale

Unit-IV

8. Explain the life history of cycas.
9. Write short note on :
 - (i) Coralloid roots
 - (ii) Development of female gametophyte in Pinus