



**MAR IVANIOS COLLEGE (AUTONOMOUS)**  
**THIRUVANANTHAPURAM**

Reg. No. :.....

Name :.....

**Third Semester Career Related B.Sc. Degree Examination, November 2016**

**First Degree Programme under CBCSS**

**Core Course – III: (for Botany and Biotechnology)**

**AUBB341: Bryology, Pteridology, Gymnosperms & Paleobotany**

Time: 3 Hours

Max. Marks : 80

**SECTION – A**

*Answer ALL the following each in a word or as short notes.*

1. Elater.
2. Coralloid root.
3. Areolae.
4. Name a fossil gymnosperm.
5. Peat moss.
6. Ligule.
7. Coal balls.
8. Protonema.
9. Glossopodium.
10. Club moss.

**(10 × 1 = 10 Marks)**

**SECTION – B**

*Answer any EIGHT questions, not exceeding one paragraph.*

11. Describe the stellar variation in *Lycopodium*.
12. Describe the morphology of gametophyte of *Marchantia*.
13. Describe the vegetative reproduction in *Polytrichum*.

P.T.O.

