



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

Reg. No. :.....

Name :.....

**First Semester B.Sc. Degree Examination, November 2014**

**First Degree Programme under CBCSS**

**Complementary Course: Botany – I (for Zoology)**

**AUBO131: Microtechnique, Angiosperm Anatomy and Reproductive Botany**

Time: 3 Hours

Max. Marks: 80

**SECTION – A**

*Write short notes on ALL the following.*

1. Medullary ray.
2. Collenchyma.
3. Microsporogenesis.
4. Double staining.
5. Antipodal cell.
6. Mordant.
7. Subsidiary cell.
8. Polyembryony.
9. Sap wood.
10. Double fertilization.

**(10 x 1 = 10 Marks)**

**SECTION – B**

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

11. Differentiate Ring Porous wood from Diffuse Porous wood.
12. Distinguish between a Bicollateral and Collateral Vascular bundle.
13. Bring out the structure and a function of a Guard cell.
14. What is Casparian strip ? Mention its functions.

P.T.O.

