



MAR IVANIOS COLLEGE (AUTONOMOUS)
THIRUVANANTHAPURAM

Reg. No. :.....

Name :.....

First Semester Career Related B.Sc. Degree Examination, November 2015

First Degree Programme under CBCSS

Core Course – I: (for Botany and Biotechnology)

AUBB141: Angiosperm Anatomy and Reproductive Botany

(for 2015 Admissions Only)

Time: 3 Hours

Max. Marks : 80

SECTION – A

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

1. Study of pollen grains present in honey is denoted by which term ?
2. What is 'pollen kitt' ?
3. Name the soft tissue in the angiosperm ovary to which the ovules are attached.
4. What is the ploidy level of angiosperm nucellus ?
5. What is spongy parenchyma ?
6. Define dendrochronology ?
7. How the xylem and phloem are arranged in an amphicribal vascular bundle ?
8. Grittiness of the pear and sapota fruit pulp is due to the presence of which type of cells ?
9. What are plasmodesmata ?
10. Calcium and magnesium pectate are mainly present in which region of the plant cell wall ?

(10 × 1 = 10 Marks)

SECTION – B

Answer any EIGHT questions, not exceeding one paragraph.

11. Differentiate between simple and bordered pits.
12. Write notes on i). cystolith and ii). raphid
13. Differentiate between primary and secondary meristems.

P.T.O.

