



MAR IVANIOS COLLEGE (AUTONOMOUS)
THIRUVANANTHAPURAM

Reg. No. :.....

Name :.....

First Semester Career Related B.Sc. Degree Examination, November 2016

First Degree Programme under CBCSS

Core Course – I: (for Botany and Biotechnology)

AUBB141: Angiosperm Anatomy and Reproductive Botany

(Common for *Regular* – 2016 Admn. and *Improvement* – 2015 Admn.)

Time: 3 Hours

Max. Marks : 80

SECTION – A

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

1. Bulliform cells.
2. Duramen
3. Annular rings.
4. Lenticels
5. NPC system.
6. Medullary ray.
7. Casparian strips.
8. Dimorphic tapetum.
9. Calyptrogen
10. Primary pit fields.

(10 × 1 = 10 Marks)

SECTION – B

Answer any EIGHT questions, not exceeding one paragraph.

11. Differentiate endothecium from endothelium.
12. Comment on intussusception and apposition.
13. What is companion cell ? Discuss about its functions.
14. Explain the methods of entry of pollen tubes in to the ovule.

P.T.O.

