



THE AMERICAN COLLEGE, MADURAI

(An Autonomous Institution Affiliated to Madurai Kamaraj University)

Re-accredited (2nd Cycle) by NAAC with Grade "A", CGPA – 3.46 on a 4-point scale

Backlog Arrear Examination, March 2021

Anatomy and Reproductive Biology of Angiosperms

BOT 3312/2436/131

Marks: 75

Time: 3 Hrs

I. Answer any FIVE of the following questions each not exceeding 4 pages. (5X15=75)

1. Present the different types of simple and complex tissues with neat labelled diagram.
2. Explain the organization of shoot apical meristem using appropriate theory
3. Using CS and RLS and TLS to describe the organisation of wood
4. Choosing any three examples, explain anomalous secondary growth.
5. Based on the cross section of anther, explain the functions of tissue in anther wall and account for microsporogenesis.
6. Present the different types of embryo sacs of Angiosperms.
7. Explore double fertilization and triple fusion. Add note on consequences.