

**Year 2014-2015**  
**Class-S.Y.B.Sc. Semester-I and II**

**Subject Name: Taxanomy of Angiosperm& Plant community (Sem-I)**  
**Anatomy & Embryology(Sem-II)**  
**Prof-Autade A.R**

**Topic:-**

| <b>Sem-I</b>                         | <b>Sem-II</b>                            |
|--------------------------------------|--|
| 1. Introduction of plant taxonomy    | 1. Introduction                          |
| 2. System of classification          | 2. Epidermal tissue system               |
| 3. Taxanomic Literature              | 3. Mechanical tissue system              |
| 4. Source of data for systematics    | 4. Vascular tissue system                |
| 5. Botanical Nomenclature            | 5.Normal Sec growth                      |
| 6. Study of plant families           | 6.Anamolous Sec. growth                  |
| 7. Computer in Taxonomy              | 7. Introduction                          |
| 8. Introduction to Ecology           | 8. Microsporangium & Female gametophytes |
| 9. Ecological grouping of the plants | 9. Megasporangium & female gametophytes  |
| 10.                                  | 10. fertilization                        |
|                                      | 11. Endosperm & Embryo                   |

**Aim and Objective**

1. Plant provides an essential foundation on earth, the food we eat, energy we consumed& the beauty of natural environment we see.
2. To make aware of student about conservation & sustainable use of plant.
3. To address socio-economical challenges related to plant science.
4. To make the students aware of applications of the different plants in the various industries.

**Outcomes-**

1. The practical course is aimed to equip the students with skills & required for plant identification, description & also application of this plant in various industries.
2. It provides the scope & the opportunities for botany student in career making.

*msk*



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**S. Y. B. Sc (2018-19)**

# **Taxonomy of Angiosperm & plant ecology (BO-231)**

## **First Term, Semester III**

**Subject Teacher-Prof-Autade A.R**

### **Topic:-**

1. Introduction to Angiosperm Taxonomy.
2. System of classification.
3. Study of plant families.
4. Botanical Nomenclature
5. Introduction to Ecology
6. Ecological grouping of plants

### **Aim and objectives:**

- 1)identification, nomenclature
2. to know charecters of plant groups
- 3.to preserve the diversity of species
- 4.sustainable utilization of species & ecosystem
5. to maintain life supporting system and essential ecological process

### **Outcome –**

Students should know –

1. Student understood the diversity of plant on earth is an important resources for food,shelter & agriculture.
2. Student understood about imp & of Angiosperm .
3. Students understood different type of plant families
4. Students understood use and application of different types of Angiosperm



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**S. Y. B. Sc (2018-19)**  
**Plant Anatomy & Embryology (BO-241)**  
**Second Term, Semester IV**

**Topic:-**

- 1.Introduction.
- 2.Epidermal tissue System.
- 3.Mechanical tissue System
- 4.Normal Secondary Growth
- 5..Anamolous Secondary Growth
- 6.Introduction
- 7.Microsporangium & male gametophyte
- 8.Megasporangium & female gametophyte
- 9.Pollination & fertilization
- 10.Endosperm & Embryo

**Aims and objectives:**

- 1)identification, nomenclature
2. to know charecters of plant tissue
- 3.to preserve the diversity of species
- 4.sustainable utilization of species & ecosystem
5. to maintain life supporting system and essential ecological process

**Outcome –**

Students should know –

- 1.Student understood the diversity of plant on earth is an important resources for food,shelter & agriculture.
- 2.student understood about imp of Angiosperm anatomy.
- 3.Students understood different type of plant tissue system
- 4.Students understood use and application of different types of Angiosperm





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