

RAJAH SERFOJI GOVT.COLLEGE (AUTONOMOUS)
THANJAVUR – 5

(For Candidates admitted from 2018-2019 onwards)

DEPARTMENT OF BOTANY

ALLIED BOTANY

(For B.Sc., Zoology and Biochemistry Major Students)

COURSE OUTCOMES

Paper Sl.No	Semester	Subject Code	Title of the paper	Hours / Week	Credits
I	III	S3AB1	Allied Botany Paper – I	4	4


On completion of the course, students are able to

- ❖ Understand the biodiversity of thalophytes.
- ❖ Know the systematic, morphology, structure, lifecycle pattern and economic importance of algae and fungi.
- ❖ Know the concept of taxonomy and systematic position, salient features and reproduction of bryophytes, pteridophytes and gymnosperms.
- ❖ Understand the plant morphology and technical terms of floral parts of angiosperms.
- ❖ Know the concept of taxonomy and systematic position of angiosperms.
- ❖ Understand salient features and economic importance of angiosperms.

Paper Sl.No	Semester	Subject Code	Title of the paper	Hours / Week	Credits
II	IV	S4AB2	Allied Botany Paper – II	4	4

On completion of the course, students are able to

- ❖ Understand the scope and importance of plant anatomy and normal secondary growth in plants.
- ❖ Gain knowledge about cell and cell organelles.
- ❖ Know the concept of Mendel's law and experiments. Gain knowledge about the sex organs development, fertilization and embryogeny of flowering plant.
- ❖ Understand the ecology, plant communities and ecological adaptations of plant. Know the concept of evolution, origin of life and their theories.
- ❖ Understand the principle and basic protocols for plant tissue culture


 PRINCIPAL,
 Rajan Serfoji Govt. College
 (Autonomous)
 HANJAVUR - 613 005

Paper Sl.No	Semester	Subject Code	Title of the paper	Hours / Week	Credits
III	IV	S4ABP	Allied Botany Paper-III Practical	3	4

On completion of the course, students are able to

- ❖ Students learn to carry out practical work in the field and in the laboratory with minimal risk.
- ❖ Gain introductory experience in applying each of the following skills.
 1. Gain knowledge about plant diversity.
 2. Gain knowledge about the identification of flowering plant and plant morphology.
 3. Gain knowledge about ecology, ecological adaptations.
 4. Gain knowledge about the micro preparations.
 5. Gain knowledge about the photosynthesis and respiration.
 6. Gain knowledge about the plant tissue culture technique.
 7. Gain knowledge about the preparation of herbarium.