

# A.S.D GOVT DEGREE COLLEGE FOR WOMEN (A)

(Re-Accredited by NAAC with 'B')

KAKINADA 533002 EASTGODAVARI, ANDHRA PRADESH

## DEPARTMENT OF BOTANY 2024-2025 COURSE STRUCTURE AND SYLLABUS

Semester	Title of the Course (Paper)	Hours /week	Max. Marks (SEE)	Marks in CIA	Credits
Sem.-I Course - 1	Introduction to Classical Biology (Theory)	05	60	40	04
Sem.-I Course - 2	Introduction to Applied Biology (Theory)	05	60	40	04
Sem.-II Course - 3	Non-Vascular Plants (Theory)	03	60	40	03
Sem.-II Course - 3	Non-Vascular Plants (Practical)	02	Max. Marks-40 External assessment and Internal assessment -10M at Semester end		01
Sem.-II Course - 4	Origin of Life and Diversity of Microbes (Theory)	03	60	40	03
Sem.-II Course- 4	Origin of Life and Diversity of Microbes (Practical)	02	Max. Marks-40 External assessment and Internal assessment -10M at Semester end		01
Sem.-III (3.1) Paper III	Vascular plants ( Theory )	04	60	40	04
Sem.-III (3.1) Paper III	Vascular plants ( Practicals )	03	Max. Marks-40 External assessment and Internal assessment -10M at Semester end		01
Sem.-III (3.2)	Plant Pathology and Plant Diseases ( Theory )	04	60	40	04
Sem.-III (3.2)	Plant Pathology and Plant Diseases ( Practicals )	03	Max. Marks-40 External assessment and Internal assessment -10M at Semester end		01
Sem-III (3.3)	Plant Breeding ( Theory )	04	60	40	40
Sem-III (3.3)	Plant Breeding ( Practicals )	03	Max. Marks-40 External assessment and Internal assessment -10M at Semester end		01
Sem-III (3.4)	Plant Biotechnology ( Theory )	04	60	40	40
Sem-III (3.4)	Plant Biotechnology ( Practicals )	03	Max. Marks-40 External assessment and Internal assessment -10M at Semester end		01
Sem-IV (4.1)	Anatomy and Embryology of Angiosperms (Theory )	04	60	40	40
Sem-IV (4.1)	Anatomy and Embryology of Angiosperms( Practicals )	03	Max. Marks-40 External assessment and Internal assessment -10M at Semester end		01
Sem-IV (4.2)	Plant Ecology ,Biodiversity and Phytogeography ( Theory )	04	60	40	40

Sem-IV (4.2)	Plant Ecology ,Biodiversity and Phytogeography ( Practicals )	03	Max. Marks-40 External assessment and Internal assessment -10M at Semester end		01
Sem-IV (4.3)	Plant Resources and Utilization ( Theory )	04	60		40
Sem-IV (4.3)	Plant Resources and Utilization ( Practicals )	03	Max. Marks-40 External assessment and Internal assessment -10M at Semester end		01
Sem.- V Course- 6A	Plant Propagation	03	75	25	04
Course- 6A Practical	Plant Propagation	03	Max. Marks-40 External assessment and Internal assessment -10M at Semester end		01
Sem. V Course-7A	Seed Technology	03	75	25	04
Sem. V Course 7A Practical	Seed Technology	03	Max. Marks-40 External assessment and Internal assessment -10M at Semester end		01
Sem.- V Course- 6B	Vegetable crops- Cultivation Practices	03	75	25	04
Course- 6B Practical	Vegetable crops- Cultivation Practices	03	Max. Marks-40 External assessment and Internal assessment -10M at Semester end		01
Sem. V Course-7B	Vegetable crops – Post Harvest Practices	03	75	25	04
Sem. V Course 7B Practical	Vegetable crops – Post Harvest Practices	03	Max. Marks-40 External assessment and Internal assessment -10M at Semester end		01
Sem.- V Course- 6C	Plant Tissue Culture	03	75	25	04
Course- 6C Practical	Plant Tissue Culture	03	Max. Marks-40 External assessment and Internal assessment -10M at Semester end		01
Sem.- V Course- 7C	Mushroom Cultivation	03	75	25	04
Course- 7C Practical	Mushroom Cultivation	03	Max. Marks-40 External assessment and Internal assessment -10M at Semester end		01
Sem.- V Course- 6D	Gardening and Landscaping	03	75	25	04
Course- 6D Practical	Gardening and Landscaping	03	Max. Marks-40 External assessment and Internal assessment -10M at Semester end		01

Sem.- V Course- 7D	Agroforestry	03	75	25	04
Course- 7D Practical	Agroforestry	03	Max. Marks-40 External assessment and Internal assessment -10M at Semester end		01

**Note-1:** For Semester–V, for the domain subject Botany, any one of the four pairs of SECs shall be chosen as courses 6 and 7, i.e., 6A & 7A or 6B & 7B or 6C & 7C or 6D & 7D. The pair shall not be broken (ABCD allotment is random, not on any priority basis).

**Note-2:** *One of the main objectives of Skill Enhancement Courses (SEC) is to inculcate skills related to the domain subject in students. The syllabus of SEC will be partially skill oriented. Hence, teachers shall also impart practical training to students on the skills embedded in syllabus citing related real field situations*