

DEPARTMENT OF BOTANY

The Boards of Studies meeting in Botany was held on Saturday 07.03.2020 at 02.00 p.m. in the Department of Botany.

Members:

1. Dr.Sr.Marietta D'Mello., Principal

University Nominee:

2. Dr.T.Padmavathi, Assistant Professor, Dept of Botany, College of Science & Technology Adikavi Nannaya University, Rajamahendravaram.

External experts:

3. Dr.B.Siva Kumari, Head of Botany Department, Andhra Loyola College (A), Vijayawada.

Faculty:

4. Dr. BBRG. Vijaya Lakshmi.
5. Mrs.G.Rani
6. Ms.B.Asha Latha

Students:

7. Ms.N.Bhagavathi Devi III B.Sc.BZC
8. Ms.B.Renuka Sai II B.Sc B.Z.C

Resolutions:

1. It was resolved to follow Adikavi Nannaya University CBCS theory and practical revised syllabus of Botany papers I, II, III, IV, V, VI, VII, VIIIA1, VIIIA2 and VIIIA3 respectively without any changes for the academic year 2020-2021 as the syllabus is updated with 20% skill oriented topics which provides entrepreneur opportunities and it is relevant to the needs of the society and also approved in '2019 Academic council'.

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PAPER TITLES

	Semester	Paper	Title of the Paper
I Year	I	Paper I	Microbial Diversity, Algae & Fungi
	II	Paper II	Diversity of Archegoniate & Plant Anatomy
II Year	III	Paper III	Plant Taxonomy and Embryology
	IV	Paper IV	Plant Physiology and Metabolism
		Certificate course	Herbal Medicine
III Year	V	Paper V	Cell biology and Genetics
		Paper VI	Medicinal Botany and Plant Ecology
	VI	Elective-1	Economic Botany and Plant Biotechnology
		Paper VII	
		Cluster Elective Paper VIII A1	Nursery and Gardening
		Cluster Elective Paper VIII A2	Organic farming and Sustainable Agriculture.
		Cluster Elective Paper VIII A3 Self Study Course	Crop Cultivation Techniques & Economic Development.

Syllabus for Botany Certificate Course: 2020 - 2021

Herbal Therapy

- I. Introduction and scope of medicinal plants.
- II. Collection and preservation of important medicinal plants.
- III. Visit to medicinal important industries and organizations.
- IV. **Study of the following plants and plant products:**
 - a. **Home remedies**
 1. *Curcuma longa* – Turmeric,
 2. *Zingiber officinale* - Ginger
 3. *Piper nigrum* - Pepper
 4. *Allium sativum* - Garlic
 5. *Elettaria cardamomum* - Cardamom
 6. *Cinnamomum zeylanicum* - Cinnamon
 7. *Cuminum cyminum* - Cumin
 8. *Syzygium Aromaticum* –Cloves
 9. *Trigonella foenum graecum* – Fenugreek
 10. *Ferula asafetida* – Asafoetida
 - b. **Medicinal importance of the following plants**
 11. *Centella asiatica* – Brahmi
 12. *Eclipta alba* – Gunta Galagara
 13. *Aloe vera* – Kalabanda
 14. *Coriandrum sativum* – Coriander
 15. *Mentha arvensis* – Pudina
 16. *Ocimum sanctum* –Tulasi
 17. *Azadirachta indica* – Neem
 18. *Gymnema sylvestris* – Podapatri
 19. *Hibiscus rosa sinensis* – Mandara
 20. *Murraya koenigii* - Curry leaf
 - c. **Medicinal importance of the following fruits**
 21. *Annona squamosa* - Custard apple
 22. *Carica papaya* - Papaya
 23. *Citrus aurantifolia* - Lime
 24. *Punica granatum* - Pomo granite
 25. *Phyllanthus emblica* – Amla