2021-22

S.No.	H.T.No.	Name of the student	Sign. of the student
1	08021-3001	B. Kiran	B.kiran
2	3003	G. Lavanya	G. Lavanya
3	3004	J. Santhosh	J. santhosh
4	3005	K. Sreeja	K. Sreeja
5	3006	K. Shireesha	K. shireesha
6	3007	K. Sruthi	K. Sruthi
7	3008	K. Prathyusha	K. Prathyusha
8	3009	V. Priyanka	V. Priyanka
9	3201	R. Raveena	R. Raveena

Student Seminar:

Topic :- కలప అంతర్నిర్మాణం.

Group/class :- B.Sc-BZC / III Sem.

Paper :- III (Anatomy, Embryology & Palynology)

Student name & H.T. No :- B. Sunitha 08021-3002

Date :- 28/12/2021

Sign. of the Presenter :- B. Sunitha

Sign. of the Lecturer :- [signature]

Topic Synopsis :-

కలప అంతర్నిర్మాణం :-

- వాతావరణ మార్పులకు క్షీణించిన వాతావరణాన్ని కలప అంటారు.
- వాటిని బట్టి ఉపయోగాన్ని బట్టి, ఎత్తిన మన్నికగా ఉంటుంది.
- క్షితిజ చక్రాలుగా రంధ్రయుత వాతావరణ, వారలు ఉండడం చే వాతావరణ భిన్నమైన వాతావరణ ఉంటారు.

① టేకు – Tectona grandis, Verbinaceae

② Roseuwood – Dalbergia latifolia, Fabaceae

③ Red sandal wood – Pterocarpus santalinus, Fabaceae

④ Nallamaddi – Terminalia tomentosa, Combritaceae

⑤ Neem – Azadirachta indica, meliaceae.

- టేకు కలప నాణ్యమైనది, భిన్నమైనది
- Roseuwood కలప భిన్నమైనది, సువాసన కలిగి ఉంటుంది.
- Red sandal wood కలప విలువైనది.

feed back :- 1. Teak, Roseuwood కలప అంతర్నిర్మాణం.

2. ఎర్రచందనం, నల్లమద్ది, వేప కలప అంతర్నిర్మాణం.

S.L NO	H.T. NO.	Name of the student.	Sign. of the student
1	080 20 - 3001	G. Sindhu	G. sindhu
2	3004	M. Saritha	M. Saritha
3	3005	Y. Sruthi	Y. Sruthi
4	3201	Ch. Sandhya Rani	Ch. Sandhya Sri
5	3205	T. Manohar	T. Manohar
6	028-19 3004	E. Renuka	E. Renuka
7	293-20 3016	G. Ramjee.	G. Ramjee.

Student Seminar.

Topic :- మొక్కల ఉపయోగాలు

Group/class :- B.Sc - Bzc / V Semester.

Paper :- V (A) - Biodiversity & Conservation.

Student name & H.T. No :- B. Manjula 08020 - 3001

Date :- 16/12/2021.

Sign. of the Presentor :- B. Manjula - 08020 - 3001

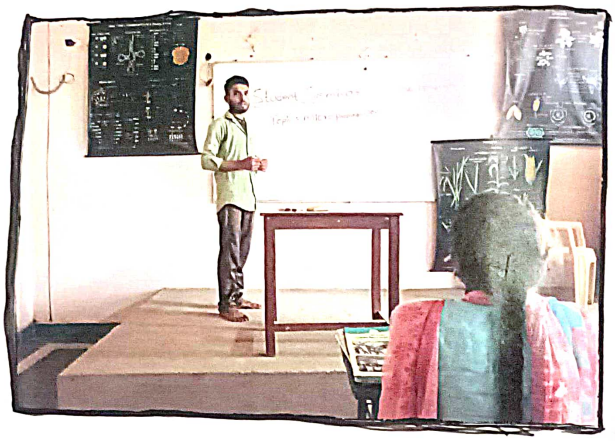
Sign. of the Lecturer :-

Topic synopsis :-

మొక్కల ఉపయోగాలు :-

- మానవుడు మొక్కలను ఆహారం, నివాసం, వస్త్రాల కొరకు ఎక్కువగా ఉపయోగిస్తున్నాడు.
- మొక్కల నుండి లభించు ఉత్పన్నాలు :
  ఆహారం → ఆహారం కొరకు ప్రపంచ వ్యాప్తంగా 1500 రకాలు పాలాలు ఉన్నాయి.
- పశుగ్రాసం → గడ్డి & legume మొక్కల నుండి ప్రధానంగా పశుగ్రాసం లభిస్తుంది.
- నూనె → అంటే ఎక్కువ భాగాలు నూనెలు.
- రబ్బరు & కర్ర → Asiaceae, palmae (600 sps).
- ఔషధ మొక్కలు → WHO ఇప్పటివరకు 21,000 మంది మొక్కలను గుర్తించింది.
- అలంకరణ మొక్కలు
- ఇతర మొక్కలు.

feedback :- మొక్కల వలన మానవునికి ఉపయోగాలు.



Sl. NO	H.T NO.	Name of the student	Sign. of the student
1	080-20 3001	B. Manjula	B. Manjula
2	3005	Y. Sruthi	Y. shruti
3	3205	T. Manohar	T. Manohar.
4	028-19 3004	E. Renuka.	E. Renuka.

Student Seminar:

Topic :— Micropropagation.
Group & class :— B.Sc - B2c / VI Semester
Paper :— VI - 2B (Tissue culture & Biotechnology)
Student Name & H.T.NO :— G. Ramjee - 29320-3016
Date :— 25/04/2022.
Sign. of the Presentor :— G. Ramjee
Sign. of the Lecturer :— Anda

Topic Synopsis :—
- Multiplication of Genetically identical copies of a plant through in vitro clonal propagation is called Micro-propagation.
- Ex :- Apple, Potato & Some ornamental plants.
- This method was first proposed by G. Morel.
- The main objective of this method is to produce more plants in limited time & space

Feedback :-
Procedure, Advantages & Benefits of micro-propagation.

Anda

S.No	H.T. No	Name of the students	Sign of the student
1	080-20 3001	B. Manjula	B. Manjula
2	3002	G. Sindhu	G. Sindhu
3	028-19 3004	E. Renuka	E. Renuka
4	293-20 3016	G. Ramjee	G. Ramjee

Student Seminar.

Topic :- Plant tissue culture - growth regulators.

Group & class :- B.Sc. B2C / VI Semester.

Paper :- VI - 2B (Tissue culture & Biotechnology.

Date :- 18/04/2022

Student name & H.T. No :- Y. Sowthi - 080203005.

Sign. of the Presenter :- Y. Sowthi

Sign. of the Lecturer :- Anita

Topic Synopsis :-

- The technique of growing plants by culturing the cells (or) tissues (or) an organ on artificial nutrient medium under aseptic conditions is called as plant tissue culture.
- In this plant tissue culture there are 6 steps. among them one is Growth regulators.
- Growth regulators : Auxins, Gibbellins & Cytokinins.
- Auxins → IAA, IBA, NAA & 2,4-D

feed back : Purpose of Growth Regulators in plant tissue culture technique.

Anita

2021-22

Semester-V

Group:- BZC Sub: Botany. Paper-V (Biodiversity & Conservation).

Sl. No.	H.T. No.	Name of the Student	A-I Submitted Yes/No.	A-II Submitted Yes/No.	A-III Submitted Yes/No.	Topic & Date.
1	080-20 3001	B. Manjula	Yes-5/5	Yes - 5/5	5/5 - Yes	A-I: Agrobiodiversity : 23/11/2021.
2	3002	G. Sindhu	Yes-5/5	Yes - 5/5.	Yes - 5/5	
3	3004	M. Saritha	Yes-5/5	Yes - 5/5	Yes - 5/5	A-II: జీవవైవిధ్యం రికార్డు. D: 17/12/2021.
4	3005	Y. Sruthi	Yes-5/5	Yes - 5/5	Yes - 5/5	
5	3201	Ch. Sandhyasri	Yes-5/5	Yes - 5/5	Yes - 5/5	
6	3205	T. Manohar	Yes-5/5	Yes - 5/5	Yes - 5/5	A-III:- వివిధ రకాల మొక్కల నమూనాలను సేకరించి హెర్బేరియం తయారు చేశారు. D: 04/01/2022.
7	028-19 3004	E. Renuka	Yes-5/5	Yes - 5/5	Yes - 5/5	
8	293-20 3016	G. Ramjee.	Yes-5/5	Yes - 5/5	Yes - 5/5	

Semester – III (Anatomy, Embryology & Palynology).

Group :– BZC & BZCS. Sub :– Botany. Paper :– III.

Sl. No.	HT. No.	Name of the Student	A-I Submitted Yes/No.	A-II/Submitted Yes/No	A-III/Submitted Yes/No.	Topic & Date.
1	080-21 3001	B. Kiran	–	–	–	A-I :- Simple tissues D : 23/11/2021.
2	3002	B. Sunitha	Yes 5	Yes – 5/5	Yes – 5/5.	
3	3003	G. Lavanya	Yes 5	Yes – 5/5	Yes – 5/5	A-II : ~~[illegible]~~ D : ~~23/11/2021~~ 17/12/2021 ~~[illegible]~~
4	3004	J. Santhosh	Yes 3	Yes – 5/5	–	
5	3005	K. Sreeja	Yes 5	Yes – 5/5	Yes – 5/5	A-III – Entry of Pollen into ovule.
6	3006	K. Sireesha	Yes 5	Yes – 5/5	Yes – 5/5.	D :– 14/02/2021
7	3007	K. Sruthi	Yes 5	Yes – 5/5	Yes – 5/5	
8	3008	K. Prathyusha.	Yes 5	Yes – 5/5	Yes – 5/5	
9	3009	V. Priyanka	Yes 5	Yes – 5/5	Yes – 5/5	
10	3201	R. Raveena	Yes 5	Yes – 5/5	– T.C	
			[signature]	[signature]	[signature]	

I.- Semester (microbial diversity & lower Plants).

Group: BZC & BZCS Sub:- Botany Paper:- I max. marks: 05.

SL NO	H.T. No.	Name of the student	A-I submitted Yes/No.	A-II submitted Yes/No.	A-III / submitted Yes/No.
1.		Cheemala Prameela	Yes (5)	Yes 5/5	–
2.	080-22 3202	muthi Vyshnavi (CS)	Yes (5)	Yes 5/5	Yes - 5/5
3.	080-22 3005	Podem Archana	Yes (5)	Yes 5/5	Yes - 5/5
4.	080-22 3006	Thati mahesh	Yes (5)	Yes 5/5	–
5.	080-22 3007	Vajja Santhosh kumar	Yes (5)	Yes 5/5	–
6.	080-22 3008	Yelti Venkata Sring	Yes (5)	Yes 5/5	Yes - 5/5
7.	080-22 3003	E. Vigneswari	Yes (5)	Yes 5/5	
8.	080-22 3201	md. Asma	[signature]	[signature]	Yes - 5/5

Topic & Date.

A-I : Bacteria - cell structure (October)

A-II : Archaebacteria 24/11/2021

A-III :- Evolution of sporophyte in Bryophytes

D:- 08/02/2022.

Semester - II

Group: BZC & CS. Sub: BOTANY Paper: II - Gymnosperms, Taxonomy & Ecology

Sl. No.	H.T. NO.	Name of the student	A - I submitted Yes/NO	A - II submitted Yes/NO.	Topic & Date.
1	080-22 3003	E. Vigneswari	Yes 5/5	Yes 5/5	AI: 25/04/2022 Topic: Herbarium
2	3005	P. Archana	Yes 5/5	Yes 5/5	A-II 30/05/22 Xerocere.
3	3006	T. Mahesh	–	–	
4	3202	M. Vyshnavi	Yes 5/5	Yes 5/5	

Gode Gode

Semester - IV

Group : BZC , Sub : BOTANY Paper : IV - Cellbiology & Plant Physiology .

S.L. No.	H.T. NO.	Name of the student	A - I Submitted Yes / NO	A - II Submitted Yes / NO.	Topic & Date.
	080-21				1. DNA D:-18/04/2022
1	3002	B. Sunitha	Yes 5/5	Yes 5/5	
2	3003	G. Lavanya	Yes 5/5	Yes 5/5	2. సంయోజన - తత్వపరి సిద్ధాంతం.
3	3005	K. Sreeja	Yes 5/5	Yes 5/5	
4	3006	K. Sireesha	Yes 5/5	Yes 5/5	D:26/05/2022.
5	3007.	K. Sruthi	Yes 5/5	Yes 5/5	
6	3008.	K. Prathyusha	Yes 5/5	Yes 5/5	
7	3009.	V. Priyanka.	Yes 5/5	Yes 5/5	

Semester - VI

Group: BZC Sub: BOTANY Paper - VI (A) Biotechnology & Plant Tissue culture.

Sl. No.	H.T. NO.	Name of the student	Submitted A - I Yes / No	Submitted A - II Yes / No.	Topic & Date
1	080-20 3001	Bada Manjula			1. కణాల పెట్టడం - విత్తన తయారు D: 13/04/2022
2	3002	Gummadi Sindhu	Yes 5/5		
3	3005	Yapa Sruthi	Yes 5/5	Yes 5/5	2. విత్తనం సంరక్షణ D:-23/05/2022
4	3201	Cheemala Sandhyasri	Yes 5/5.	Yes 5/5	
5	3205	Thati Manohar	Yes 5/5		
6	293-20 3016	Guguloth Ramjee	Yes 5/5		
7	028-19 3004	Eegada Renuka.			

2021-22.

FIELD VISIT:

Subject :- Botany.
Group/class:- B2C / III Semester.
Date :- 23/11/2021.
Place of visit :- Nagulmeera Durgah.
Purpose of visit :- Identification and observation of Plants.

Students attended:-

SL NO.	H.T.NO	Name of the student.	Sign. of the student.
1	080-21 3002	B. sunitha	B. Sunitha
2	3003	G. Lavanya	G. Lavanya
3	3005	K. Sreeja	K. Sreeja
4	3006	K. Shireesha	K. shireesha
5	3007	K. Sruthi	k. Sruthi
6	3008	K. Prathyusha	K. prathyusha
7	3009	V. Priyanka	V. priyanka
8	3201	R. Raveena.	R. Raveena

Aim :- Identification and observation of Different kinds of plants located at Hazrath Nagal meera moula chan Durgah, satyanarayanapuram, Yellandu.

objectives :-

- plants have always been a major component of traditional system of healing. many medicinal plants & their parts have been used in prevention & cure of various diseases of humans.
- Ethnobotany brings out the relationship between plants & People.
- many fruit yielding plants were growing in this Durgah area.

Ex:- Sapota, organe, mango, Banana, lemon, coconut, Guava, custardapple, Papaya, watermelon, Pomegranate etc.

- many Ornamental plants beautifully growing in Durgah. they were well maintained by the workers working there.
- many kinds of Trees, shrubs and Herbs have been observed by students.

Fruit Yielding plants:

S.No	name	Botanical name	family
1.	Sapota	Achras sapota	Sapotaceae
2.	Orange	Citrus sinensis	Rutaceae
3.	Mango	mangifera indica	Anacardiaceae
4.	Banana	Musa paradisiaca	musaceae
5.	Lemon	citrus lemon	Rutaceae
6.	Coconut	Cocos nucifera	Arecaceae
7.	Guava	Psidium guajava	myrtaceae
8.	Custard apple	Annona squamosa	Annonaceae
9.	Papaya	Carica Papaya	Caricaceae
10.	watermelon	Citrillus lanatus	cucurbitaceae
11.	Pomegranate	Punica granatus	Lythraceae

Ornamental Plants:

1. Bougainvillea
2. Plumaria
3. Roses
4. Nerium
5. Butterfly palm
6. Royal palm
7. fish tail palm.
8. Duranta
9. Delonix
10. Cassia sps.
11. Bauhinia

Trees

1. Tamarind
2. Eucalyptus
3. Neem
4. Teak
5. Peltophorum
6. Pongamia
7. Albizia.