



Loyola College, Kunkuri

496225, Jashpur, Chhattisgarh

Annual report of Botany Department 2019-2020



Department of Botany:

Vision: To conduct teaching with a focus on plants, their environment and associated application based research.

Mission : To foster an environment of excellence by developing and encouraging the learners and faculty needed to sustain our vision.

Objectives :

- To make learner understand about flora and its importance.
- To impart theoretical knowledge on flora by conventional and non-conventional tools.
- To encourage the research awareness in learners.
- To promote an integral understanding towards utilization of plants and to explore underlying mechanisms for promoting eco-friendly environment.

Name of Department :

Botany

Name of Incharge :

Assit.Prof. Miss. Sangeeta Yadav (H.O.D.)

Asst. Prof. Mrs. Sharda Singh

Name of Other Members : Dr.Fr.Telesphor Lakra (Principal)

Non Teaching Staff: Miss. Tikeshwari Anant (Lab Technician)

Faculty Profile:

S.No.	Name of Faculty	Academic Qualification	Teaching Experience	Teaching Classes
1.	Sangeeta Yadav	M.Sc., DCA, B.Ed., PGDCA, M.Phil, Ph.D-Going on .	School – 02 Years, 7 Month. College -05	9-12 th B.Sc.-I, II,III
2.	Sharda Singh	M.Sc., PGDCA, M.Phil	4	B.Sc.-I, II,III
3.	Tikeshwari Anant	M.A.(Sanskrit)	10	Practicals

Degree College Course:

S.No.	Year	Course Code/Paper	Title
1.	B.Sc. FirstYear	26 A/ First Paper	Bacteria, Viruses, Fungi, Lichens and Algae
2.	B.Sc. FirstYear	26 B/ Second Paper	Bryophytes, Pteridophytes, Gymnosperms and Palaeobotany
3.	B.Sc. SecondYear	26 A/ First Paper	Diversity of seed plants and their systematics
4.	B.Sc. SecondYear	26 B/ Second Paper	Structure, development and reproduction in flowering plants
5.	B.Sc. Third Year	26 A/ First Paper	Plant physiology, biochemistry and biotechnology
6.	B.Sc. Third Year	26 B/ Second Paper	Ecology and utilization of plants
7.	All year students	26 P Practical	Botany practical for all year students related to their subject.

- The syllabus is design by the University according to competitive exam like NET, SET, GATE, Research field, Forestry etc.
- The course is designed such that majorly all the theoretical course are accompanied by practical classes to provide a hands-on experience to the students.
- This acquaints them with the necessary skills and professional understanding of the scientific concepts and helps them use this experience in real-life situations during their careers.
- The course is a combination of various papers and topic which help a student learn in detail the concepts related to botany.

Classes and subject wise marks distribution:-

Subject	Paper	Total marks	Min. marks
Botany	First	50	} 33
	Second	50	
	Practical	50	17

Department Highlights:

- Total No. of Faculty member: 03
- Total no. of students in B.Sc. First:95
- Total no. of students in B.Sc. Second:67
- Total no. of students in B.Sc. Third:77
- Total no. of students in B.Sc.:239

Departmental activities :

- Admission of students was 95, 67 and 77 in B.Sc. I, II, III year respectively and total no. of student were 239 in session 2019-2020
- Classes of B.Sc. I year's students started in (3 July)



- Classes of B.Sc. II & III year's students started in (July)



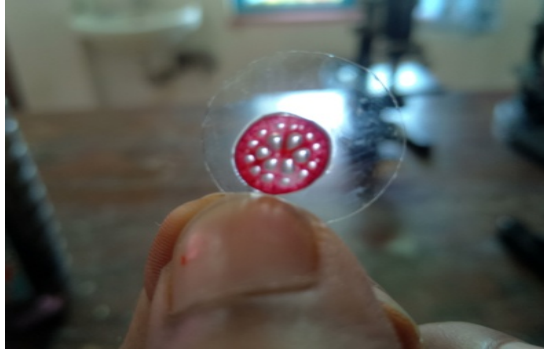
- Loyola day celebrated on the 30th July.
- Theory syllabus started with initiation of classes.
- During teaching them about B.Sc.I Year students got also participated Plantation in botanical garden done by B.Sc.I year students. **Plantation** : enhancement of environment. To learn important of plant in our life. for beauty of nature. For healthy nature and environment. To teach students responsibility towards nature.



- Practical syllabus started with initiation of B.Sc. I, II and III year classes. **Practical classes** : for the better understanding of botany lively. To connect students to the botany. To experience them practical and applied botany. To increase interest toward botany.

(20 August)





- B.Sc. first year students welcomed on 23/8/2019.
- Botanical Rangoli competition organized for all the students.



- Departmental meeting organized in every month.

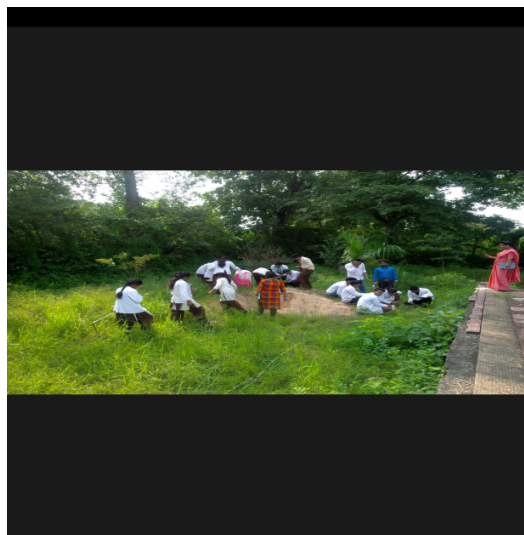


- On 2nd September 2019 topics were allotted for Assignment, Poster, Flexi, Model, project and Ppt presentation.
- The department has organized a Quarterly examination of B.sc.I year in 17-09-2019.



- **Field work** : to know about their surrounding and environment. To connect with their surrounding. Information of surrounding to use them in various ways such as medicine. Analysis of plant species done by B.Sc. III year's students under field work.





- **Herbarium** made by B.Sc. II year according to their syllabus and locally available species. Weekly twice practical classes were arranged in botany laboratory.



- **Unit tests** : B.Sc. I, II and III year for the practice of students for their main exams. To overcome their exam phobia. Revision of done syllabus unit. To practice more and more answer writing pattern. Experience enhancement of exam habit. Monthly unit tests were conducted for students.





- Monthly each student's (B.Sc. I, II and III Year) attendance was recorded.
- **Any other innovative practices:**
Orientation of Faculty Memberse on Skill Development Scheme:
 Dr. Fr. Teleshphor Lakra (Principal) conducted an Orientation lecture on :Skill Development Scheme” under the guidance of Sant Gahira Guru University on 19/09/2019.



- “Motivational Talk” By Registrar of Sant Gahira Guru University Ambikapur Mr. Vinod Kumar Ekka.



- Motivational classes were provided for B.Sc. I, II and III year students by Asst. Prof. Sangeeta Yadav (HOD), Asst.Prof. Sharda Singh and Principal Dr. Teleshphor Lakra. (14 September)
(01October)



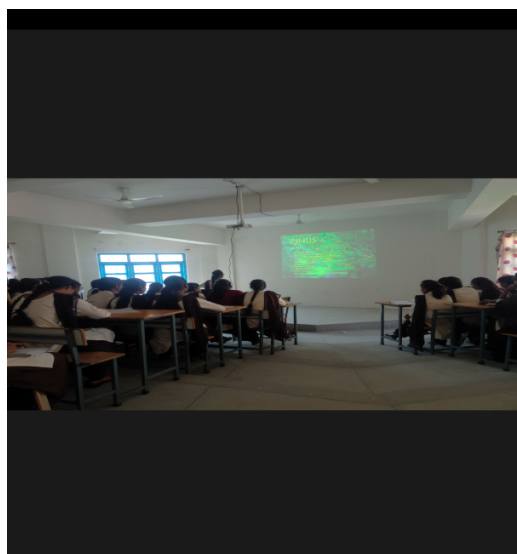
- **Seminar by students** : to have some teaching experience to students. To overcome their stage phobia. To enhance their speaking skills. To improve their explain ability. To provide them opportunity and stage to show their talent and creativity , and to encourage them. Seminar for students was conducted in seminar hall and class room also.



- Remedial Classes (Theory and Practical)



- B.Sc. II and III year's students gave their seminar topics Life cycle of Pinus and Xerophytic character Pinus of by power point presentation.



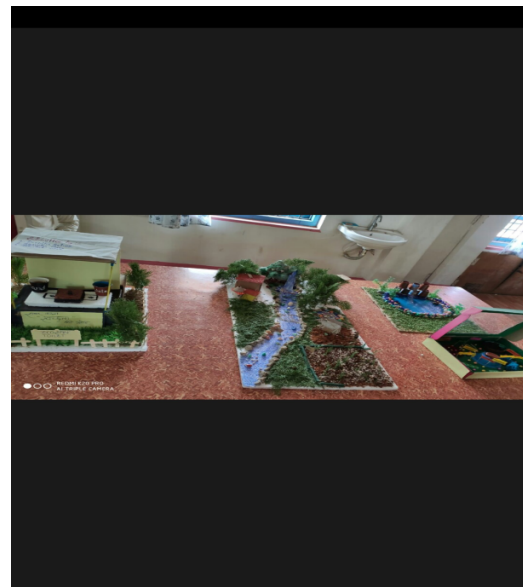
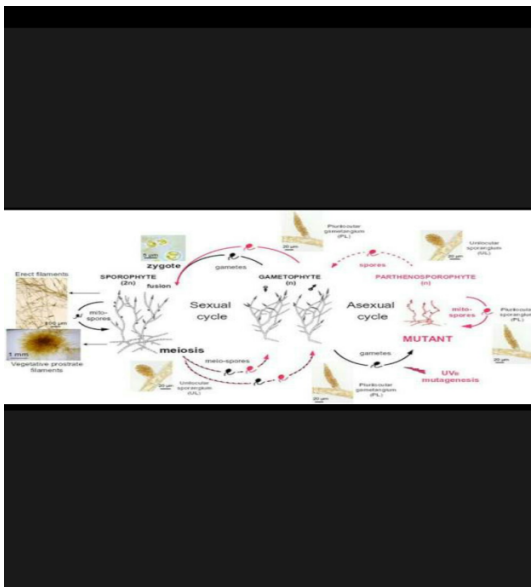
- Quarterly exam taken of students from 17 September.

- **Inspection team** came to our college on 23-09-2019. **Members-** Fr. Gerong, Mr. P.K. Gerg, Mr. Rajkamal Mishra from Sarguja, Korla and Bilaspur.



- Students were guided about Health problem, Anemia, Cleanness, Blood problem, Period problem, Pragnancy by Anuradha Tigga (Project officer), Champa Singh (Assistant Supervisor).
- **Models, flexi, poster and projects** : to express and represent their topics in innovative ways. To learn team works as to work together as team. To understand their classmates. And to encourage them to have more and more innovative ideas.





- Botanical garden was maintained by students regularly in every month.



- The result of the Quarterly exam was shown on 4/10/2019.
- We organized parents meeting in 15 October for attendance, test, and quarterly exam result.



- **Grafting** done by B.Sc.II and III year students on 19-10-2019.
Grafting technique- Rose/China rose – Whip, Wedge, Cleft, V techniques



B.Sc. II Year Students



B.Sc. III Year Students

Education Visits

- Education Trip : The department had organized a one day trip to **Ambikapur** for B.Sc. III year students on 23-10-2019. Student studied flora and features of Sanjay national park, Flower park, Rajmohini Devi Agriculture college of Agriculture and research station, Ambikapur, Devbhog dairy industry Ambikapur, Badalkhol wildlife sanctuary.



Badalkhol Wildlife Sanctuary



Sanjay National Park



R.D.C. of Agriculture and Research



Devbhog dairy industry



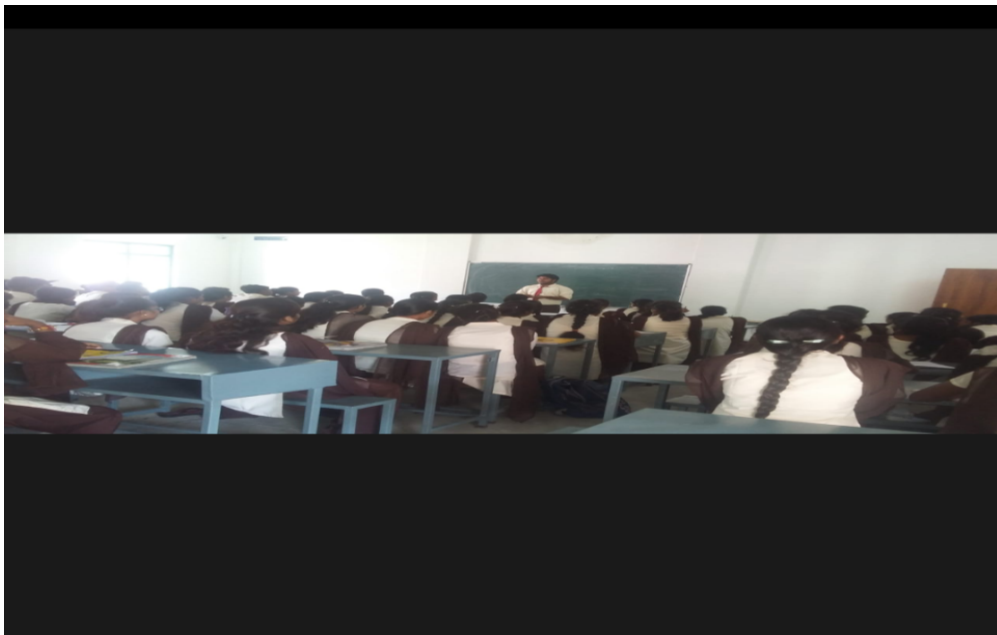
Water Park Ambikapur

- Our students participated in Sports, NSS, Culture activity Blood donation.



NSS Camp (11/11/2019)

- Completion of syllabus and practical. **(November)**
- Ayush Sharma (B.Sc.II year) told B.Sc.I year students about how students should read, how to prepare for the annual exam.



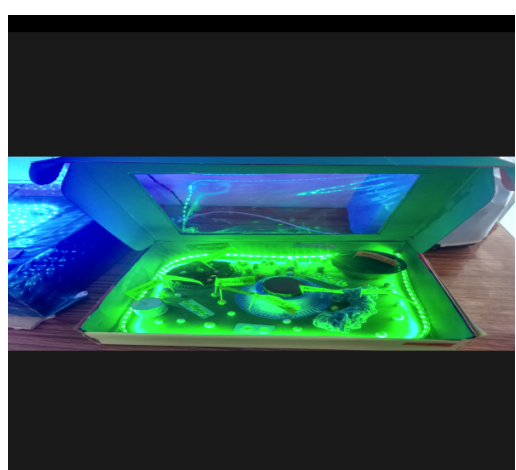
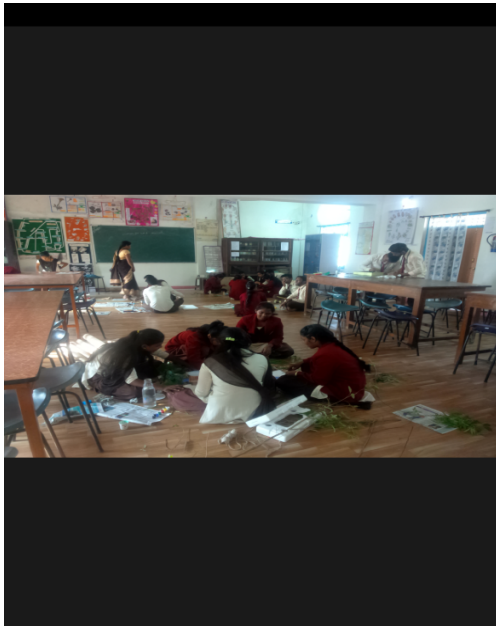
Students achievements

- The competition examination of the environment was done by the B.Sc.I, II and III year students. **(December)**
- Zakir Hussain B.Sc. III year (Zoology) student attended in NSS State Camp 7 days Raigarh Saria in February month 2019-2020.



Project Exhibitions

- **Science exhibition** : B.Sc.II and III year students made models, working models from waste material related to syllabus on 2-3 December 2019. To encourage student talent and excellence by others what they really deserve. To their ideas and thoughts to others to understand botany. Models and projects were exhibited in science exhibition.
- Students made a working model, model from waste material got a Science exhibition in which the one who came first, second and third got the certificate in Annual Day. B.Sc.III- First- Pankaj Soni and group, Second- Rita Gupta and group. Third- Ambika Gupta and group.
B.Sc. Second- First- Akancha Kujur and group, Second- Yotsna and group, Third- Md. Abdul and group.





- Some people came to visit our college from other institute.



- **Guest Lecture:** Lecture delivered by Dr. Prashant Kumar Singh Govt. V.B.S. Deo Girls College Jashpur Nagar topic on **Biodiversity** on 17-12-2019. Students of B.Sc.I, II, III year appreciated it and participated in the discussion.



- Annual sports day Celebrated on 20/12/2019.
- Students of 10th and 12th form different different school of Jashpur district came to visit our college.





- Model examination was conducted from month of 6 January to 18 January 2020.



- The result of the Model exam was shown on 4/10/2019.
- Meeting held on 5 February for Annual Day.
- Best of the models, working model (west material) and projects were awarded and certificate I, II and III is given during annual function 04 February 2020.

- **Revision of curriculum 2019-2020**

This year the I,II and III year B.Sc. Botany Syllabus has been Revised.

- Practical exams were conducted in the month of 24-25 February 2020.
- Annual exam was conducted by university from month of March 2020.

Sangeeta Yadav
Assistant Professor
H.O.D. of Botany
Loyola College Kunkuri

LOYOLA COLLEGE KUNKURI
DEPARTMENT OF BOTANY
SESSION -2019-20
CLASS- B. Sc. I YEAR

HEAD OF DEPARTMENT - Miss. SANGEETA YADAV
ASST. PROF. - Mrs. SHARDA SINGH
LAB TECHNICIAN - Miss. TIKESHWARI ANANT

EXPERIMENT LIST:

Object.1 To Study of the Microscope Compound Microscope and Dissecting Microscope.

ALGAE

Object.2 Study of Vegetative and Reproductive Structure of VOLVOX and its Identification on the Basis of Characters.

Object.3 Study of Vegetative and Reproductive Structure of VOUCHERIA and its Identification on the Basis of Characters.

Object.4 Study of Vegetative and Reproductive Structure of CARA and its Identification on the Basis of Characters.

FUNGI

Object.5 Study of Vegetative and Reproductive Structure of PEZIZA and its Identification on the Basis of Characters.

Object.6 Study of Vegetative and Reproductive Structure of AGARICUS and its Identification on the Basis of Characters.

Object.7 Study of Vegetative and Reproductive Structure of CERCOSPORA and its Identification on the Basis of Characters.

Object.8. Study off Gram Positive and Gram Negative Bacteria by the Method of Grams Staining.

BRYOPHYTA

Object.9 Study of Vegetative and Reproductive Structure of RICCIA and its Identification on

the Basis of Characters.

Object.10 Study of Vegetative and Reproductive Structure of ANTHOCEROS and its Identification on the Basis of Characters.

Object.11 Study of Vegetative and Reproductive Structure of FUNARIA and its Identification

PTERIDOPHYTA

Object.12 Study of Vegetative and Reproductive Structure of LYCOPODIUM and its Identification on the Basis of Characters.

Object.13 Study of Vegetative and Reproductive Structure of MARSILEA T.S. of Stem and its Identification on the Basis of Characters.

Object.14 Study of Vegetative and Reproductive Structure of EQUISETUM T.S. of Stem and its Identification on the Basis of Characters.

GYMNOSPERM

Object.15 . Preparation and Study of Temporary Slide of the T.S. of CYCAS RACHIS.

Object.16 . Preparation and Study of Temporary Slide of the T.S. of NEEDLE OF PINUS .

Object.17 . Preparation and Study of Temporary Slide of the T.S. of EPHEDRA STEM.

Object.18 To Study f the given Specimens .

1. Sphagnum 2. Lichen 3. Gloeocapsa 4 Pellia

5. Cycas Seed 6. Ephedra Male Cone

Object.19 To Study f the given Permanent Slides.

1. Oedogonium Dwarf Male
2. Aspergillus W.M.
3. Alternaria
4. Marsilea Sporocarp L.S.
5. Pinus Ovule
6. Cycas Root Normal T.S.

List of Instruments, Chemicals, Requirements, Plant Species, Permanent Slides and Specimens.

S.NO.	Name of Instruments	Quantity	Amount
1	Compound Microscope	15	NIL
2	Dissecting Microscope	6	NIL
3	Light Microscope	1	NIL
4	Balance Weighing Machine	Available in College	NIL

S.NO.	Name of Chemicals	Quantity	Amount
1	Safranin Stain	1	NIL
2	Glycerin	1	NIL
3	Alcohol	1	400
4	Iodine Solution	2	250
5	Crystal Violet	1	100
6	Curd	250 Gram	20
7	Cotton Blue	1	NIL
8	Spirit Solvent	1lit	NIL
9	Fast Green	1	NIL
10	Distilled Water	250 ml	NIL

S.NO.	Name of Requirements	Quantity	Amount
1	Slide	3 pkt	NIL
2	Cover slip	5 pic	500
3	Dropping Bottle	5	NIL
4	Dropper	1pkt	NIL
5	Watch Glass	25	NIL
6	Needle	25	NIL
7	Blade	1pkt	45
8	Spirit Lamp	6	NIL
9	Match Box	1pkt	NIL
10	Brush	25	250
11	Forceps	10 small x 10 big	NIL
12	Cotton	1	25
13	Filter Paper	3	NIL
14	Beaker	6	NIL

S.NO.	Name of Plant Species	Quantity	Amount
1	VOLVOX	1	NIL
2	VOUCHERIA	1	NIL
3	CARA	2	250
4	PEZIZA	2	250
5	AGARICUS	1	250
6	CERCOSPORA	10 tube	NIL
7	RICCIA	10 tube	NIL
8	ANTHOCERO	2	NIL
9	FUNARIA	2	250
10	LYCOPODIUM	1	NIL
11	MARSILEA STEM	1	NIL
12	EQUISETUM STEM	2	NIL
13	CYCAS RACHIS	1	NIL
14	PINUS NEEDLE	1	NIL
15	EPHEDRA STEM	1	NIL

S.NO.	Permanent Slides	Quantity	Amount
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1	Oedogonium Dwarf Male	1	NIL
2	Aspergillus W.M.	1	35
3	Alternaria	1	35
4	Marsilea Sporocarp L.S.	1	NIL
5	Pinus Ovule	1	NIL
6	Cycas Root Normal T.S.	1	NIL
S.NO.	Specimens	Quantity	Amount
1	Sphagnum	1	245
2	Lichen	1	NIL
3	Gloeocapsa	1	245
4	Pellia	1	245
5	Cycas Seed	1	NIL
6	Ephedra Male Cone	1	NIL

LOYOLA COLLEGE KUNKURI
DEPARTMENT OF BOTANY
SESSION -2019-20
CLASS- B. Sc. II YEAR

HEAD OF DEPARTMENT - **Miss. SANGEETA YADAV**
ASST. PROF. - **Mrs. SHARDA SINGH**
LAB TECHNICIAN - **Miss. TIKESHWARI ANANT**

EXPERIMENT LIST:

PLANT DISCRIPTION

Object.1 Description of Some Locally Available Plants and their Identification up to

MALVACEAE FAMILY – *CHINA ROSE*

Object 2. Description of Some Locally Available Plants and their Identification up to

FABACEAE FAMILY – *BAUHINIA VARIEGATA*.

Object 3. Description of Some Locally Available Plants and their Identification up to

SOLANACEAE FAMILY – *DATURA ALBA*

Object 4. Description of Some Locally Available Plants and their Identification up to

APOCYNACEAE FAMILY – *VINCA ROSEA*.

Object 5. Description of Some Locally Available Plants and their Identification up to

LAMIACEAE FAMILY – *OCIMUM SANCTUM*.

Object.6 Description of Some Locally Available Plants and their Identification up to

ASCLEPIADACEAE FAMILY – *CALOTROPIS PROCERA*.

Object.7 Description of Some Locally Available Plants and their Identification up to

BRASSICACEAE FAMILY – *BRASSICA CAMPESTRIS*.

GYMNOSPERM

Object.8 Preparation and Study of the Temporary Slide of the V.S. of CYCAS LEAFLET.

Object.9 Preparation and Study of the Temporary Slide of the T.S. of CYCAS RACHIS.

Object.10 Preparation and Study of the Temporary Slide of the T.S. of PINUS NEEDLE.

Object.11 Preparation and Study of the Temporary Slide of the T.S. of OLDER STEM OF PINUS.

Object.12 Preparation and Study of the Temporary Slide of the T.L.S. of PINUS STEM .

Object.13 Preparation and Study of the Temporary Slide of the R.L.S. of PINUS STEM .

Object.14 Preparation and Study of the Temporary Slide of the T.S. of OLDER STEM OF EPHEDRA.

ANATOMY

Object .15 Preparation and Study of the Temporary Slide of the T.S. of SUNFLOWER STEM.

Object .16 Preparation and Study of the Temporary Slide of the T.S. of CUCURBITA STEM.

Object .17 Preparation and Study of the Temporary Slide of the T.S. of ZEA MAYS STEM.

EMBRYOLOGY

Object .18 To Study the Placentation in given Material .

Object .19 Propagation of Rose/ China rose by Grafting.

Object .20 To Study of the given Specimens .

1. Pinus Male Cone 2 Pinus Female Cone 3 Cycas Seed
4. Ephedra Male Cone 5 Ephedra Female Cone 6 Ephedra Male Cone
- 7 Cycas Female Cone 8 Cycas Male Cone

Object .21 To Study of the given Slides.

1. Pinus Ovule V.S. 2. Pinus Female Cone 3. Cycas Ovule L.S.
4. Maize Root T.S. 5. Zea Mays Leaf V.S. 6. Cycas Root T.S.
- 7 Pinus Pollen Grains 8 Cycas Root Normal T.S.

❖ List of Instruments, Chemicals, Requirements, Plant Species, Permanent Slides and Specimens.

S.NO.	Name of Instrument	Quantity	Amount
1	Compound Microscope	15	NIL
2	Dissecting Microscope	6	NIL

3	Magnifying Glass	2	NIL
4	Light Microscope	1	NIL
5	Balance Weighing Machine	Available in College	NIL

S.NO.	Name of Chemicals	Quantity	Amount
1	Safranin Stain	1	NIL
2	Glycerin	1	NIL
3	Alcohol	1	100

S.NO.	Name of Requirement	Quantity	Amount
1	Slide	3 pkt	NIL
2	Cover Slip	5 pic	NIL
3	Dropping Bottle	5	NIL
4	Dropper	6	NIL
5	Watch Glass	20	NIL
6	Needle	20	NIL
7	Blade	1pkt	45
10	Test Tube Brush	10	NIL
11	Forcep	10	NIL
12	Cotton	1	25
13	Filter Paper	3	NIL
14	Beaker	7	NIL
15	Scissor	2	260

S.NO.	Name of Plant Species	Quantity	Amount
1	MALVACEAE FAMILY – <i>CHINA ROSE</i>	Available in our College campus	NIL
2	FABACEAE FAMILY – <i>BAUHINIA VERIEGATA</i>	Available in our College campus	NIL
3	SOLANACEAE FAMILY – <i>DATURA ALBA</i>	Available in our College campus	NIL
4	APOCYNACEAE FAMILY – <i>VINCA ROSEA.</i>	Available in our College campus	NIL
5	LAMIACEAE FAMILY – <i>OCIMUM SANCTUM.</i>	Available in our College campus	NIL
6	ASCLEPIADACEAE FAMILY – <i>CALOTROPIS PROCERA.</i>	Available in our College campus	NIL
7	BRASSICACEAE FAMILY – <i>BRASSICA COMPESTRIS.</i>	Available in our College campus	NIL
8	CYCAS LEAFLET	1	NIL
9	CYCAS RACHIS	1	NIL
10	PINUS NEEDLE	1	NIL
11	PINUS STEM	1	NIL
12	EPHEDRA STEM	1	NIL
13	SUNFLOWER STEM	1	NIL
14	CUCURBITA STEM	1	NIL
15	ZEA MAYS STEM	1	NIL

S.NO.	Permanent Slides	Quantity	Amount
1	Pinus Ovule V.S.	1	NIL
2	Pinus Female Cone	1	NIL
3	Cycas Ovule L.S.	1	NIL
4	Maize Root T.S.	1	NIL
5	Zea Mays Leaf V.S.	1	NIL
6	Cycas Root T.S.	1	NIL
S.NO.	Specimens	Quantity	Amount
1	Pinus Male Cone	1	NIL
2	Pinus Female Cone	1	NIL
3	Ephedra Male Cone	1	NIL
4	Ephedra Female Cone	1	NIL
5	Cycas Seed	1	NIL

LOYOLA COLLEGE KUNKURI
DEPARTMENT OF BOTANY
SESSION -2019-20
CLASS- B.Sc. III YEAR

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ASST. PROF. - Mrs. SHARDA SINGH
LAB TECHNICIAN - Miss. TIKESHWARI ANANT

EXPERIMENT LIST:

Physiology

- Object 1. Demonstration of Endosmosis By Osmoscope of Potato .
- Object 2. Demonstration of Plasmolysis and Deplasmolysis in Plant cell.
- Object 3. To Study the types of Stomata in the Epidermal peel of Leaves.
- Object 4. Comparison of Stomatal and Cuticular transpiration by Four Leaf Method.
- Object 5. Experiment to Measure the rate of transpiration by Ganong's Potometer.
- Object 6. Experiment to Prove that Oxygen gas is Released in the Process of Photosynthesis.

Ecology

- Object 7. Determination of Percentage Frequency of Plant species in a given Plant community by Quadrature method.
- Object 8. Determination of Density of Plant species in a given Plant community by Quadrature method.
- Object 9. Determination of Abundance of Plant species by Quadrature method.
- Object 10. Ecology Adaptation in Plant Group –

- 1. Hydrophytes – External Morphology feature Hydrilla
- 2. Anatomical Characters- Hydrilla Stem T.S. , Lotus Stem T.S.
- 3. Water Hyacinth – Eichhornia
 - 1 External Morphological Feature
 - 2 V.S. of Leaf

Utilization of Plants-

- Object 11. Utilization of Plants-

- 1. **Food Plants** – Rice , Wheat ,Maize , Potato , and Sugarcane.
- 2. **Fibers-** Cotton and Jute.

3. **Vegetable Oils** – Groundnut , Mustard , and Coconut.
4. **Sources of fire Wood** – Timber and Bamboo.
5. **Spices** –Ginger , Turmeric , Clove , Cumin , Black Pepper ,Cinnamon Lesser, Cardamom, Asafoetida,
6. **Medicinal Plants-** Belladonna , Opium , Tulsi , Aswagandha, Aconite, Quinine.
7. **Beverages** – Tea and Coffee.

Biochemistry /Biotechnology

Object 12. To Perform Starch test in Leaves.

Object 13. To test the Presence of Monosaccharide in Plant tissue Fehling –A and Fehling –B
Moor's test.

Object 14 To test the presence of Protein in Plant tissue.

- A. Xanthoproteic test.
- B. Biuret test.

Object 15. General test for Carbohydrates in Plant tissue.

Object 16. Prepare Glycerin Mount of Iodine Stained Thin Section of Potato tuber and Study
Leucoplast in their cells.

Object 17. Propagation of Rose/ China rose by Grafting.

Object 18. To Study of the given Specimens.

- 1 Trapa 2. Typha 3. Oscillatoria 4. Eichhornia 5 Hydrilla
- 6 Asparagus 7 Opuntia 8 Pistia 9 Ceratophyllum.

Object 19. To Study of the given Permanent Slides .

1. Casuarina stem T.S.
2. Trapa stem T.S.
3. Asparagus stem T.S.
4. Nerium Leaf V.S.

❖ List of Instruments, Chemicals, Requirements, Plant Species, Permanent Slides and Specimens.

S.NO.	Name of Instrument	Quantity	Amount
1	Compound Microscope	15	NIL
2	Stop Watch	1	NIL
3	Vertical Stand	2	NIL
4	Ganong Potometer	5	NIL
5	Quadrat	8	NIL

6	Light Microscope	1	NIL
7	Balance Weighing Machine	Available in College	NIL

S.NO.	Name of Chemicals	Quantity	Amount
1	Safranin Stain	1	NIL
2	Glycerin	1	NIL
3	Alcohol	1	100
4	Salt Solution	1	10
5	Sucrose	1	NIL
6	Mom	2	10
7	Petroleum Jelly	1	NIL
8	Sodium Hypochlorite	1	NIL
9	Fehling Solution -A	1	NIL
10	Fehling Solution -B	1	NIL
11	Glucose	1	NIL
12	Iodine Solution	1	NIL
13	Sudan III	1	NIL
14	Osmic Acid	1	NIL
15	Nitric Acid	1	NIL
16	Sodium hydroxide	1	NIL
17	Biuret Reagent	2	NIL
18	Hydrochloric	1	NIL
19	Silicon grease	1	NIL
20	Distilled Water	250 ml	NIL

S.NO.	Name of Requirement	Quantity	Amount
1	Slide	3 pkt	330
2	Cover Slip	5 pic	700
3	Dropping Bottle	6	NIL
4	Dropper	6	150
5	Watch Glass	20	NIL
6	Needle	20	NIL
7	Blade	1pkt	45
10	Test Tube Brush	10	NIL
11	Forceps	10	NIL
12	Cotton	1	NIL
13	Filter Paper	3	NIL
14	Knife	1m	NIL
15	Paper pin	1pkt	NIL
16	Petri Dish	40	NIL
17	Thread	1	NIL
18	Wide mouthed Bottle	3	NIL
19	Test Tube (10ml)	70	NIL
20	Spirit Solvent	2 lit.	NIL
21	Test Tube Holder	20	NIL
22	Spirit Lamp	5	NIL
23	Candle	5	10
24	Test Tube Stand	4	NIL
25	Pencil	1	10

26	Paper	3	10
27	Scale	3	NIL
28	Note Book	1	NIL
29	Beaker (500ml)	6	NIL
30	Porcelain Evaporating Dish Big	1	NIL
31	Porcelain Evaporating Dish Small	1	NIL
32	Funnel	6	NIL
33	Measuring Cylinder Small	3	NIL
34	Measuring Cylinder Big	2	NIL
35	Pipette	2	NIL
36	Spatula	1	NIL

S.NO .	Name of Plant Species	Quantity	Amount
1	Tradescantia Leaf	Available in our College campus	NIL
2	Plant Twig	Available in our College campus	NIL
3	Different Plant	Available in our College campus	NIL
4	Cucurbita	Available in our College campus	NIL
5	Mustard	Available in our College campus	NIL
6	Ixora	Available in our College campus	NIL
7	Tulsi	Available in our College campus	NIL
8	Palm	Available in our College campus	NIL
9	Doob Grass	Available in our College campus	NIL
10	Onion leaf	Available in our College campus	NIL
11	Fresh Leaf	Available in our College campus	NIL
12	Potato	Available in our College campus	NIL
13	Groundnut seed	Available in our College campus	NIL
14	Besan	Available in Shop	10 Rs.
15	Rice	Available in our College campus	NIL
16	Wheat	Available in our College campus	NIL
17	Maize	Available in our College campus	NIL
18	Sugarcane	Available in our College campus	NIL
19	Cotton	Available in our College campus	NIL
20	Jute	Available in our College campus	NIL
21	Groundnut	Available in our College campus	NIL
22	Mustard	Available in our College campus	NIL
23	Coconut	Available in our College campus	NIL
24	Timber – Sal,Sagwan, Sheesham	Available in our College campus	NIL
25	Bamboo	Available in our College campus	NIL
26	Ginger	Available in our College campus	NIL
27	Asafoetida,	Available in our College campus	NIL
28	Cardamom,	Available in our College campus	NIL
29	Lesser	Available in our College campus	NIL
30	Cinnamon	Available in our College campus	NIL
31	Black Pepper	Available in our College campus	NIL
32	Black Pepper	Available in our College campus	NIL
33	Clove	Available in our College campus	NIL
34	Turmeric	Available in our College campus	NIL
35	Belladonna	Available in our College campus	NIL
36	Quinone	Available in our College campus	NIL
37	Aconite,	Available in our College campus	NIL

38	Aswagandha	Available in our College campus	NIL
39	Tulsi	Available in our College campus	NIL
40	Opium	Available in our College campus	NIL
41	Tea	Available in our College campus	NIL
42	Coffee	Available in our College campus	NIL

S.NO.	Permanent Slides	Quantity	Amount
1	Casuarina stem T.S.	1	NIL
2	Trapa stem T.S.	1	NIL
3	Asparagus stem T.S.	1	NIL
4	Nerium Leaf V.S.	1	NIL
S.NO.	Specimens	Quantity	Amount
1	Trapa	1	NIL
2	Typha	1	NIL
3	Oscillatoria	1	NIL
4	Eichhornia	1	NIL
5	Hydrilla	1	NIL
6	Asparagus	1	NIL
7	Opuntia	1	NIL
8	Pistia	1	NIL
9	Ceratophyllum	1	NIL

Head of Department

Assis.Prof. Sangeeta Yadav

Loyola College Kunkuri

LOYOLA COLLEGE KUNKURI
DEPARTMENT OF BOTANY
SESSION- 2019-2020

Stock Material

S.NO.	PARTICULARS	Quantity	Rate	Amount
	Material			
1	Scytonema	4 Bott.	125	500
2	Peziza	4 Bott.	125	500
3	Puccinia	4 Bott.	125	500
4	Riccia	4 Bott.	125	500
5	Gloeocapsa	4 Bott.	125	500
6	Gloeotrichia	4 Bott.	125	500
7	Chara	4 Bott.	125	500
8	Albugo	4 Bott.	125	500
9	Agaricus	4 Bott.	125	500
10	Alternaria	4 Bott.	125	500
11	Pellia	4 Bott.	125	500
12	Funaria	4 Bott.	125	500
13	Batrachospermum	4 Bott.	125	500
14	Sphagnum	4 Bott.	125	500
	Chemical			
15	Crystal Violet	3 x100ml	100	300
16	Iodine Solution	3 x100ml	125	375
17	Acetone	3 x500ml	325	975
18	E- Alcohol 99.9%	4 x500ml	400	1600
19	Cover Slip	5 pic	100	500
20	Starch	1 x500ml	370	370
	Specimens			

21	Azolla	1	245	245
22	Gloeocapsa	1	245	245
23	Scytonema	1	245	245
24	Gloeotrichia	1	245	245
25	Chara	1	245	245
26	Peziza	1	245	245
27	Batrachospermum	1	245	245
28	Puccinia	1	245	245
29	Riccia	1	245	245
30	Pellia	1	245	245
31	Sphagnum	1	245	245
	Slides			
32	Scytonema	1	35	35
33	Chara	1	35	35
34	Batrachospermum	1	35	35
35	Albugo	1	35	35
36	Puccinia	1	35	35
37	Alternaria	1	35	35
38	Aspergillus	1	35	35
39	Cercospora	1	35	35
40	Riccia	1	35	35
41	Sphagnum	1	35	35
42	Funaria	1	35	35
	Grand Total			385

Head of Department
Assis.Prof. Sangeeta Yadav
Loyola College Kunkuri

