

Teachers Curriculum Planning

Name- Sharda Singh

Session- 2021-2022

Subject- Botany and Environment

B.Sc. Ist Year

Paper-I Bacteria, Viruses, Fungi, Lichens and algae

Unit	Date	Curriculum Planning
	16/08/2021	Orientation program- I, II, III Year
	17/08/2021	General introduction of syllabus, practical's, exam pattern. Introduce the Botany Lab.
Unit-I	18/08/2021 To 19/09/2021	Viruses
	28/08/2021	Plantation by students and staff.
		Departmental meeting in every month
		Doubt Class and important question
		Unit test I Each unit test carries 10 marks.
		Unit-III Environment Syllabus start Ecosystem
		Doubt Class and important question
		Environment Unit Test
		Environment: Project, Assignment topic for seminar was given to the students.
		Mentoring classes is done every Saturday Topic- Solo song, extempore, quiz, rangoli, painting, drawing, monoact, group discussion.
Unit –II	29/10/2021 To 01/12/2021	Bacteria
		Unit test-II
		Show unit test result.
	31/08/2021	Practical start.
		Unit IV Bio-diversity and its Conservation
		Model, assignment topic and project for seminar was given to the students.
		Environment- Unit test
		Doubt Class and important question
		Environment unit-v Environmental Pollution and natural calamities
Unit-III	10/02/2022 To 31/03/2022	Unit-III Fungi

	December To January	Maintain the herbal and botanical garden by students Doubt Class and important question
		Environment Unit Test
		Unit test-III
		Show unit test result
		Doubt Class and important question.
Unit-IV	02/12/2021 To 08/02/2022	Algae
	23/10/2021 To 04/12/2021	Education Tour- Vishakhapatnam
	18/12/2021	Environment: Education Visit Heerakund
	03/02/2022	Unit test-IV
		Doubt Class and important question.
		Revision and oral test
Unit-V	17/09/2021 To 12/10/2021	Cyanobacteria, Lichens and Mycoplasma.
		Unit test-V
		Doubt Class and important question.
		Revision and oral test
	24/11/2021	Motivational Class- Research field, NET, SET, GATE, Environmental studies, career guidance.
	21/03/2022 To 07/04/2022	All students give seminars, model, flexi, PPT presentation. Doubt Class and explained the exam pattern of the University
	13/10/2021	Botany Unit Test-V
		Show unit test result
	10/12/2021 To 16/12/2021 13/01/2022	Half yearly Exam The result of Half yearly exam showed to students.
	28/02/2022 To 11/03/2022	Model exam
	16 /03/2022	The result of model exam showed to students.
	August to December/ January	The 75% attendance of all the students is counted in July to September and October to December/ January for theory and practical.
	November	Completed the Theory and Practical syllabus
	27/01/2021 To	Revision/Remedial Classes/Re Test/ Oral Test in each year students

	23/02/2021	
	08/04/2022	Environment practical exam
	11/04/2022	Botany practical exam
	20/04/2022	Annual exam

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B.Sc. IIndYear

Paper-II Ecology and plant physiology

Unit	Date	Curriculum Planning
	16/08/2021	Orientation program- I, II, III Year
Unit-I	18/08/2021 To 19/09/2021	Introduction and Scope of ecology.
		Doubt Class and important question.
		Unit test I Each unit test carries 10 marks.
		Show unit test result.
		Departmental meeting in every month
		Assembly is done every Monday
		Mentoring classes is done every Saturday Topic- Solo song, extempore, quiz, rangoli, painting, drawing, monoact, group discussion.
Unit-II	17/09/2021 To 10/10/2021	Population and community characteristics. Biogeochemical cycles.
		Doubt Class and important question.
	27/08/2021	Practical start.
		Unit test-II
		Show unit test result.
	January And February	Plantation and maintain the herbal and botanical garden by students
Unit -III	12/10/2021 To 29/10/2021	Plant water relations.
		Doubt Class and important question
		Unit test-III
		Show unit test result.
Unit-IV	03/01/2022 To 28/01/2022	Photosynthesis. Respiration.
		Doubt Class and important question.
		Unit test-IV
		Show unit test result.
		Herbarium
Unit-V	08/11/2021	Plant growth Hormones.

	To 09/12/2021	
		Model, assignment topic and project for seminar was given to the students. Field Visit- Botanical garden Loyola College Kunkuri.
		Doubt Class and important question.
		Unit test-V
		Doubt Class and important questions.
	23/10/2021 To 04/12/2021	Education Tour- Vishakhapatnam
	18/12/2021	Environment: Education Visit Heerakund
	24/11/2021	Motivational Class- Research field, NET, SET, GATE, Environmental studies, career guidance.
	10/12/2021 To 16/12/2021 07/01/2022	Half yearly Exam The result of Half yearly exam showed to students.
	28/02/2022 To 11/03/2022	Model exam
	16 /03 /2022	The result of model exam showed to students.
	August to December/ January	The 75% attendance of all the students is counted in July to September and October to December/ January for theory and practical.
	December	Completed the Theory and Practical syllabus
	27/01/2022 To 23/02/2022	Revision/Remedial Classes/Re Test/ Oral Test in each year students
	08/04/2022	Environment practical exam
	11/04/2022	Botany practical exam
	20/04/2022	Annual exam

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Subject- Botany

B.Sc.-III (II Paper) (New Course + Old Course)

New course-Genetics, molecular biology, Biotechnology and Biochemistry

Old Course- Ecology and utilization of plant

Unit	Date	Curriculum Planning
	16/08/2021	Orientation program- I, II, III Year
	18/08/2021	Introduction about subject and syllabus
Unit-I	19/08/2021 To 20/11/2021	Cell and cell organelles, organization and morphology of chromosomes, giant chromosome, cell division, Mendel's laws, gene interactions. Plant and environment.
	01/09/2021	Practical start
		Doubt Class and important question
		Unit test I Each unit test carries 10 marks.
		Show unit test result.
		Departmental meeting in every month
Unit-II	24/11/2021 To 01/12/2021	Nucleic acids, structure and forms of DNA and RNA. Community ecology
		Doubt Class and important question
		Unit test-II
		Show unit test result
	January and February	Plantation and maintain the herbal and botanical garden by students.
Unit -III	1/12/2021 To 15/02/2022	Recombinant DNA, enzymes in recombinant DNA technology. Population ecology. Vegetation types of India.
		Doubt Class and important question.
		Unit test-III
		Show unit test result.
Unit-IV	06/02/2022 To 20/02/2022	Protein. Utilization of plants. Food plants. Fibres, Vegetable oil.
		Doubt Class and important question.
		Unit test-IV
		Show unit test result.
Unit-V	22/03/2022	Enzymes.

	To 31/03/2022	Spices, Medicinal plants, Beverages, Rubber.
		Model, assignment topic and project for seminar was given to the students. Doubt Class and important question Field Visit- Botanical garden Loyola College Kunkuri.
		Unit test-V
		Show unit test result.
	23/10/2021 To 04/12/2021	Education Tour- Vishakhapatnam
	18/12/2021	Environment: Education Visit Heerakund
	24/11/2021	Motivational Class- Research field, NET, SET, GATE, Environmental studies, career guidance.
	10/12/2021 To 16/12/2021 12/01/2022	Half yearly Exam The result of Half yearly exam showed to students.
	28/02/2022 To 11/03/2022	Model exam
	16 /03 /2022	The result of model exam showed to students.
	December	Completed the Theory and Practical syllabus
	27/01/2022 To 23/02/2022	Revision/Remedial Classes/Re Test/ Oral Test in each year students
	08/04/2022	Environment practical exam
	11/04/2022	Botany practical exam
	20/04/2022	Annual exam