GOVERNMENT DEGREE COLLEGE,

RAJAMPET, ANNAMAYYA (DIST.)



ANNUAL CURRICULAR PLAN

2023 - 2024

DEPARTMENT OF ZOOLOGY B.SUJATHA LECTURER IN ZOOLOGY

Signature of the Department I/C

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Name of the Lecturer: <i>B.SUJATHA</i>	Month				AUGUST& SEP-2024		
1e Lectu	Week		AUG-23	Week-4 & SEP-24 WEEK-1	Week-2	Week-3	Week- 4
rer: <i>B.S</i>	Hours	ble		л	σ	м	л
UJATHA Academic Year: 2023 – 2024 M.Sc.,	Syllabus topic			Commencement of classes for V Semester 28.08.2023 Introduction of the syllabus	Livestock census; Breeds of Dairy cattle	Buffaloes and Goats.	Indigenous, Exotic and Crossbred Cattle breeds any three
23 – 2024	Additional Input/ Value Addition	Provided /taught		Importance of Dairy technology	Visit a dairy farm	Visit a goat farm	To identify exotic animals
Class:		Activity Conducted		Assignment	seminar	Test	Guest lecturer
B.Sc.	Curricular Activity	Hours allotte d			1	1	1
Class: B.Sc. B2C(C·W)	Activity	Whether conducte d		Yes	Yes	Yes	Yes
		If not, altern ate	date	۰.			
Subject: Zoology		Activity Conducted				Quiz	Group Discussion
ology	Co-curric	Hours allott ed				1	4
Seme	Co-curricular Activity	Whether				Yes	Yes
Semester: T		If not, alternate date					
	ks	Remar				-	

GOVT. DEGREE COLLEGE, RAJAMPET, ANNAMAYYA DISTRICT

Annual Curricular Plan (Lecturer wise):2023-24

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n Month		Week	Hours	Syllabus topic	Addition Addition Provided	alue on	Artivity	Artivity	Curricular A	Curricular Activity	Curricular Activity	Curricular Activity	Curricular Activity Co-curricul
			availa ble		Provided /taught	Activity Conducted	fed	ted allotte		Hours allotte d	Hours Whether allotte conducte d d	Hours Whether If not, allotte conducte altern d d ate	Hours Whether If not, Activity allotte conducte altern Conducted d d ate
	Z	Week-1	ω	Anatomy of Udder; Development of udder;	Visit local Dairy cattle farm	Assignment	ent	ent 1		1 Yes	1 Yes	1 Yes - Unit test	1 Yes - Unit test
	W	Week-2	ω	Lacto genesis and Galactopoises	Nutrition values in milk products	Project work		ц	1 Yes		Yes	Yes -	Yes - Critical assignment
-2023		Week-3	ω	Let down of milk.	Examples of milk products	Test		1		13	1 Yes	1 Yes -	1 Yes - Field trip
	Weck-4	¥-4	ω	Artificial insemination; Oestrous cycle Symptoms of heat in cows and buffaloes	Drying methods In heat	Seminar	nar	nar 1		1	1 Yes	1 Yes -	1 Yes - Clean &green

GOVT. DEGREE COLLEGE, RAJAMPET, ANNAMAYYA DISTRICT

Annual Curricular Plan (Lecturer wise):2023-24

Name of the Lecturer: B.SUJATHA

M.Sc.,

Academic Year: 2023 - 2024

Class: B.Sc. B2C(GM)

Subject: Zoology

Semester: T

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S.n Month	0			R-2023	
Week		Week-1	Week-2	Week-3	Week-4
	availa ble	ω	ω	ω	ω
Syllabus topic		Conception, Pregnancy diagnosis in cattle. Multi ovulation and embryo transfer technique.	Cloning Economic traits of Dairy cattle.	Methods of selection of dairy animals	Systems of Dairy cattle breeding. Inbreeding, out breeding, Cross breeding, Grading up.
Additional Input/ Value Addition	Provided /taught	Post stocking methods	Economic values in dairy cattle	Uses milk by products	Types of breeding
	Activity Conducted	Assignment	seminar	Test	seminar
Curricular Activity	Hours allotte d	H	1	1	4
r Activity	Whether conducte d	Yes	Yes	Yes	Yes
	If not, altern ate date		а — а — а а		•
	Activity Conducted	Quiz	Group Discussion	Clean &green	Science activity
Co-curric	Hours allott ed	н	ч	1	L
Co-curricular Activity	Whether conducted	Yes	Yes	Yes	Yes
	If not, alternate date	•	1		
rks	Remar				

GOVT. DEGREE COLLEGE, RAJAMPET, ANNAMAYYA DISTRICT

Annual Curricular Plan (Lecturer wise):2023-24

Name of the Lecturer: B.SUJATHA

Academic Year: 2023 – 2024

Class: B.Sc. BZC(C.M)

Subject: Zoology Se

Semester: $\underline{\nabla}$

Signature of the Lecturer

4 S.no DECEMBE R -2023 Month 3. 20 Week-4 Week-3 Week-2 Week-1 Week Hours availa ble ω ω ω ω and Grading up of buffaloes). Breeding systems (Cross breeding of cattle UNIVERSITY THEORY EXAMINATIONS UNIVERSITY THEORY EXAMINATIONS **REVISION OF THE SYLLABUS** UNIVERSITY PRACTICALS EXAMINATIONS Syllabus topic • Additional Input/ Value Addition Provided /taught system in Grading COWS Activity Conducted seminar **Curricular Activity** Hours allotte d н conducte Whether Yes 2 If not, alterna te date 1 Activity Conducted allott ed **Co-curricular Activity** Whether If not, alternate date Remarks

GOVT. DEGREE COLLEGE, RAJAMPET, ANNAMAYYA DISTRICT

Annual Curricular Plan (Lecturer wise):2023-24

Academic Year: 2023 – 2024

Name of the Lecturer: B.SUJATHA

M.Sc.,

Class: B.Sc. B2C(C.M)

Subject: Zoology Semester: T

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Signature of the Department I/C

Signature of the Lecturer

		F			0	S
		AUGUST - 2023 & & SEPTEMBE R-2023				Month
Week-4	Week-3	Week- 1 & 2	AUGUST - 2023 Week-4	- 2023 Week -3		Week
л	σ	σ	σ	л	availa ble	Hours
Immune system – Immunity, types of immunity, cells and organs of immune system	Applications of microorganisms in – Food, Agriculture, Environment, and Industry.	Groups of Microorganisms – Structure and characteristics of Bacteria, Fungi, Archaea and Virus.	History and Major Milestones of Microbiology; Contributions of Edward Jenner, Louis Pasteur, Robert Koch and Joseph Lister.	Commencement of classes for I Semester 11.08.20223 Essentials of Microbiology and Immunology		Syllabus topic
To observe transmission of traits	Human chromosomes chart prepared	Vitamins and Minerals uses	Cell structure seen in digital Microscope		Provided /taught	Additional Input/ Value Addition
Critical assignment	Test	seminar	Assignment		Activity Conducted	0
ц	4	1	1		Hours allotte d	Curricular Activity
Yes	Yes	Yes	Yes		Whether conducte d	Activity
li	1		,		If not, altern ate date	
Clean &green	Quiz				Activity Conducted	
ы	ц				Allott ed	Co-curric
Yes	Yes				Whether conducted	Co-curricular Activity
•					If not, alternate date	
	5 Immune system – Immunity, types of To observe 5 immunity, cells and organs of immune transmission Critical 1 Yes - Clean 1 Yes system of traits assignment assignment &green 1 Yes	Week-3 5 Applications of microorganisms in - Food, Agriculture, Environment, and Industry. Human chromosomes chart Test 1 Yes Quiz 1 Yes Week-4 5 Immune system - Immunity, types of immune system / System Immune system of immune contrains of immune of traits To observe transmission Critical of traits 1 Yes - Clean of traits 1 Yes 1 </td <td>Week- S Groups of Microorganisms – Structure and Microorganisms – Structure and Minerals uses Vitamins and seminar seminar 1 Yes -</td> <td>August - 2023History and Major Millestones of Microbiology; Contributions of Edward Microbiology; Contributions of Edward Jenner, Louis Pasteur, Robert Koch andCell structure seen in digital Assignment1Yes</td> <td>Averagy Normation 5 Commencement of classes for 1 Semester 1108.2023 Commencement of classes for 1 Semester Meek-3 5 Essentials of Microbiology and Immunology Essentials of Microbiology. Contributions of Edward Microbiology. Contributions of Edward Microbiology. Contributions of Edward Microbiology. Contributions of Edward Microbiology. Contributions of Edward Microscope Cell structure seen in digital Microscope 1 Yes -<td>availa bit availa provide stand August stand august semila Semila commencement of classes for LSemester Lines.2023 Provide stand August semila Semila commencement of classes for LSemester Lines.2023 Provide stand August semila Semila commencement of classes for LSemester Lines.2023 Provide august seminal of Microbiology and Immunology Cell structure sem in digital lemer, Louis Pateur, Robert Koch and lemer, Louis Pateur, Robert Koch and lemer, Louis Pateur, Robert Koch and leseph Lister. Cell structure sem in digital Microscope Asignment Asignment 1 Yes -</td></td>	Week- S Groups of Microorganisms – Structure and Microorganisms – Structure and Minerals uses Vitamins and seminar seminar 1 Yes -	August - 2023History and Major Millestones of Microbiology; Contributions of Edward Microbiology; Contributions of Edward Jenner, Louis Pasteur, Robert Koch andCell structure seen in digital Assignment1Yes	Averagy Normation 5 Commencement of classes for 1 Semester 1108.2023 Commencement of classes for 1 Semester Meek-3 5 Essentials of Microbiology and Immunology Essentials of Microbiology. Contributions of Edward Microbiology. Contributions of Edward Microbiology. Contributions of Edward Microbiology. Contributions of Edward Microbiology. Contributions of Edward Microscope Cell structure seen in digital Microscope 1 Yes - <td>availa bit availa provide stand August stand august semila Semila commencement of classes for LSemester Lines.2023 Provide stand August semila Semila commencement of classes for LSemester Lines.2023 Provide stand August semila Semila commencement of classes for LSemester Lines.2023 Provide august seminal of Microbiology and Immunology Cell structure sem in digital lemer, Louis Pateur, Robert Koch and lemer, Louis Pateur, Robert Koch and lemer, Louis Pateur, Robert Koch and leseph Lister. Cell structure sem in digital Microscope Asignment Asignment 1 Yes -</td>	availa bit availa provide stand August stand august semila Semila commencement of classes for LSemester Lines.2023 Provide stand August semila Semila commencement of classes for LSemester Lines.2023 Provide stand August semila Semila commencement of classes for LSemester Lines.2023 Provide august seminal of Microbiology and Immunology Cell structure sem in digital lemer, Louis Pateur, Robert Koch and lemer, Louis Pateur, Robert Koch and lemer, Louis Pateur, Robert Koch and leseph Lister. Cell structure sem in digital Microscope Asignment Asignment 1 Yes -

GOVT. DEGREE COLLEGE, RAJAMPET, ANNAMAYYA DISTRICT

Annual Curricular Plan (Lecturer wise):2023-24

Name of the Lecturer: B.SUJATHA

Academic Year: 2023 - 2024

Class: B.Sc. 200 (How) Subject: Zoology

Semester: T

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		OCTOBER -2023		Month	
Week-4	Week-3	Week-2	Week-1	Week	
5	м	v	v	availa ble	
Analytical Tools and techniques in biology – Applications. Applications in forensics – PCR and DNA fingerprinting	Transgenic plants – Stress tolerant plants (biotic stress – BT cotton, abiotic stress – salt tolerance). Transgenic animals – Animal and disease models.	Genetic engineering – Gene manipulation using restriction enzymes and cloning vectors; Physical, chemical, and biological methods of gene transfer.	History, scope, and significance of biotechnology. Applications of biotechnology in Plant, Animal, Industrial and Pharmaceutical sciences. Environmental Biotechnology – Bioremediation and Biofuels, Bio fertilizers and Bio pesticide		
Human karyotyping	Autosomal disorders chart prepared	Colour- blindness, Hemophilia awareness programme in college	Identification of ABO blood grouping conducted in our college	Addition Provided /taught	Additional
Assignment	Guest lecturer	seminar	Assignment	Activity Conducted	
ц	1	1	ц	Hours Wheth allotte conduct	
Yes	Yes	Yes	Yes	Whether conducte d	Activity
			ı.	If not, altern ate date	
Field trip	Quiz	Group Discussion		Activity Conducted	6
H	4	4		Hour s allott ed	y-curricul
Yes	Yes	Yes	2	Whether conducte d	Co-curricular Activity
1	l.	1 . .		If not, alternate date	
				Remarks	5

GOVT. DEGREE COLLEGE, RAJAMPET, ANNAMAYYA DISTRICT

Annual Curricular Plan (Lecturer wise):2023-24

Academic Year: 2023 – 2024

Name of the Lecturer: B.SUJATHA

Class: B.Sc. 200 (How.)

Subject: Zoology Semester: T

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		ER.			00
	1	NOVEMB ER -2023			Month
Week- 4	Week-	Week- 2	Week- 1		Week
ъ	v	υ	v	ble	Hours
Introduction, Genomics, Proteomics, types of Biological data, biological databases- NCBI, EBI, Gen Bank; Protein 3D structures,	Measures of dispersion – range, standard deviation and variance. Probability and tests of significance.	Data collection and sampling. Measures of central tendency – Mean, Median, Mode.	Immunological techniques – Immunoblotting and ELISA. Monoclonal antibodies – Applications in diagnosis and therapy. Eugenics and Gene therapy		S Syllabus topic
Lac operon in Tryptophan is seen in Lanton	Virtual mode practical in transcription		To visit a biotechnology lab in SVU		Additional Input/ Value Addition
Assignment		Project work	seminar	Activity Conducted	
4		1	4	Hours allotte d	Curricular Activity
Yes		Yes	Yes	Whether conducte d	Activity
i.			,	If not, altern ate date	
Clean &green		Critical assignment		Activity Conducted	R
р		13		Hour s allott ed	o-curricu
Yes		Yes	-	Whether conducte d	Co-curricular Activity
1				If not, alternate date	
				Rema	irks

Annual Curricular Plan (Lecturer wise):2023-24

GOVT. DEGREE COLLEGE, RAJAMPET, ANNAMAYYA DISTRICT

Name of the Lecturer: B.SUJATHA Academic Year: 2023 – 2024

Class: B.Sc. 200 (thow)

Subject: Zoology Semester: T

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Signature of the Lecturer

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4 S.no R - 2023 Month Week-4 Week-3 Week-2 Week-1 Week Hours availa ble J J J J UNIVERSITY THEORY EXAMINATIONS databases, NCBI Genome Workbench Accessing UNIVERSITY THEORY EXAMINATIONS **REVISION OF THE SYLLABUS** UNIVERSITY PRACTICALS M.Sc., Nucleic EXAMINATIONS Syllabus topic Acid and Protein Additional Input/ Value Addition Provided /taught observed theories is museum Evolution prepared Mutation diseases charts Assignment Activity Conducted seminar **Curricular Activity** Hours allotte d Ч ч Whether conducte d Yes Yes If not, altern ate date Activity Conducted Discussion Group &green Clean **Co-curricular Activity** allott 1 H Whether Yes Yes If not, alternate date . , Remarks

GOVT. DEGREE COLLEGE, RAJAMPET, ANNAMAYYA DISTRICT

ALC: NO

Annual Curricular Plan (Lecturer wise):2023-24

Name of the Lecturer: B.SUJATHA

Academic Year: 2023 - 2024

Class: B.Sc. ZOO (How) Subject: Zoology

Semester: T

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Principal

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۲ Sno JANUARY -2024 Month 3. Log Signature of the Lecturer Week-4 Week-3 Week-2 Week-1 Week Hours availa ble 4 4 4 4 Organs of immune system system. Immunization programme Cells of Immune Innate and adaptive immunity, Vaccines and 08.01.2024 basic concepts in Immunology Commencement of classes for IV Semester Introduction of the syllabus Introduction to SANKRANTHI HOLIDAYS Syllabus topic Additional Input/ Value Addition Provided /taught Examples of Immunology Functions immunity system innate uses Assignment Activity Conducted seminar Test **Curricular Activity** Hours allotte d P ч P Whether Yes Yes Yes 2 If not, altern ate date ſ r ì Activity Conducted classroom Google Discussion Group Quiz **Co-curricular Activity** Allott ed ч μ Whether Yes Yes Yes If not, alternate date

GOVT. DEGREE COLLEGE, RAJAMPET, ANNAMAYYA DISTRICT

Annual Curricular Plan (Lecturer wise):2023-24

Name of the Lecturer: B.SUJATHA

Academic Year: 2023 - 2024

M.Sc.,

Class: B.Sc. B20(Cm)

Subject: Zoology

Semester: M

Remarks

Signature of the Department I/C

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Jass: B.Sc. ほンに (い) Subject: Zoology Curricular Activity Co-curricular A	nic Year: 2023 – 2024 Class: B.Sc. 당 가 (S 씨) Subject: Zo
Addition Provided /taught Curricular Activity Co-curricular Activity Addition Conducted allotte Conducted allotte Conducted allotte conducted ate d d date Conducted ed Conducted ed Conducted con	Curricular Activity If not, allotte Activity Conducted allotte conducte altern Conducted d d d ate ate
Curricular Activity If not, allotte Activity altern allotte conducte altern d Conducted 1 Yes - Quiz	Curricular Activity Co-curricular Activity Hours allotte d Whether conducte d If not, altern ate Activity conducted ate Hours allott Whether conducted ed 1 Yes - Quiz 1 Yes
If not, altern date date - Quiz 1 Co-curricular A Hours allott cond ed ed	If not, altern date date - Quiz L Co-curricular Activity Hours allott ed allott ed L Conducted ed L Conducted allott 1 Yes
If not, altern conducted date - Quiz - Quiz 1	If not, altern date - Quiz - Co-curricular Activity Hours allott ed ed ed ed - Yes
Co-curricular A Activity Conducted allott cond ed ed cond	Co-curricular Activity Activity Conducted ed Quiz Activity Activit
whe cond	Semes
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Seme: ular Activity Whether conducted Yes	
	ster: <u>IV</u> alternate date

GOVT. DEGREE COLLEGE, RAJAMPET, ANNAMAYYA DISTRICT

Annual Curricular Plan (Lecturer wise):2023-24

Signature of the Department I/C

B. Signature of the Lecturer

	Name of t	he Lectu	irer: B.	Name of the Lecturer: B.SUJATHA Academic Year: 2023 – 2024	23 - 2024	Class:	B.Sc. [B.Sc. BZC(CM)		Subject: Zoology	ology	Seme	Semester:
					Additional		Curricular Activity	Activity			o-curric	Co-curricular Activity	
Suo	Month	Week	Hours availa ble	Syllabus topic	Addition Provided /taught	Activity Conducted	Hours	Whether	If not, altern	Activity Conducted	Hours	Whether conducted	If not, alternate date
1000							-	2	date				
		Week-1	4	Genetic Engineering: Basic concept, Vectors, Restriction Endonucleases and Recombinant DNA technology	Examples of vectors	Assignment	1	Yes	ı	Unit test	1	Yes	1
_		West o		Animal Cell, Tissue and Organ culture media: Natural and Synthetic media	Cell lines								
		-		Cell cultures, types of cell lines;	types					Critical	۲		
				Established Cell Organ culture; Cryopreservation of cultures						t			
ų	MARCH- 2024		4	Stem cells: Types of stem cells and	Functions					work statestates are			
		Week-3	4		of	Test		Ş		Field trip	4	Yes	1
				Hybridoma Technology: Production &	mAb		1	Yes	в				
				applications of Monoclonal antibodies (mAb)									
- inclusion		Week-4	4	Gene delivery: Microinjection, electroporation, biolistic method (gene gun),	Importance in micro	Seminar	1	Yes	ı	Clean	1	Yes	
				liposome and viral-mediated gene delivery	injection					&green			
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GOVT. DEGREE COLLEGE, RAJAMPET, ANNAMAYYA DISTRICT

Annual Curricular Plan (Lecturer wise):2023-24

Semester: W

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Annual Curricular Plan (Lecturer wise):2023-24

Semester: W

Subject: Zoology

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Week Hours bit Syllabus topic Addivity Provided Provided Network Numetric Activity Provided Conducted alogt Hours and alogt Multiple conducted alogt Activity alogt Hours Function Recent alogt Hours alogt Winther allogt Week-1 4 Transgenic animals' sheep, fish, Uses fertilization, super ovulation in animals: uses Fish spleep chical insemination, In vitro Fish spleep chical insemination, In vitro Fish spleep chical insemination, In vitro 1 Yes - Quiz 1 Yes - Quiz 1 Yes - Quiz 1 Yes - Quiz 1 Yes - <td< th=""><th>+</th><th>-</th><th></th><th></th><th>Additional</th><th></th><th>urricular</th><th>Activity</th><th></th><th></th><th>Co-curri</th><th>cular Activity</th><th></th><th>mark</th></td<>	+	-			Additional		urricular	Activity			Co-curri	cular Activity		mark
Ine Ine Inalignet Conducted Inducted Conducted alignet Conducted alignet Conducted alignet Case ed ed <the< th=""><th>ATT 15-1-25</th><th></th><th>lours Ivaila</th><th>Syllabus topic</th><th>Addition Provided</th><th></th><th>Hours</th><th>Whether</th><th>If not,</th><th>Activity</th><th>Hours</th><th>Whether</th><th>If not, alternate date</th><th>Ren</th></the<>	ATT 15-1-25		lours Ivaila	Syllabus topic	Addition Provided		Hours	Whether	If not,	Activity	Hours	Whether	If not, alternate date	Ren
Week-1 Transgenic animals' sheep, fish, Uses FISH &SHEEP (USES) Critical assignment 1 Yes - Quiz 1 Yes Week-1 4 Artificial Insemination, In vitro fertilization, super ovulation, Embryo FISH &SHEEP (USES) Critical assignment 1 Yes - Quiz 1 Yes Week-2 4 POR: Basics of PCR. DNA sequencing: Sanger's method of automated sequencing. Functioning of pCR I Yes - Discussio n 1 Yes - Discussio plicacussio 1 Yes - Seminar 1 Yes - S			ble		/taught	Conducted	allotte d	conducte d	e date	ed	ed			
Week-1 4 Artificial Insemination, In vitro fertilization, super ovulation, Embryo Critical assignment 1 Yes - Quiz 1 Week-2 4 Artificial Insemination, In vitro fertilization, super ovulation, Embryo Functioning of PCR: Basics of PCR. Functioning of DNA Sequencing: Sanger's method of automated sequencing Functioning of PCR 1 Yes - Group Discussio 1 Yes - Discussio 1 Nothern 1 Nets - Discussio 1 Nets - Discussio 1 Nets - 1 Nets - 1 Nets - 1 Nets - 2 2 2 2 2 2	+	-		Transgenic animals' sheep, fish, Uses					-			400	,	
week-1 4 Artificial Insemination, In vitro assignment assignment assignment week-2 4 DRA sequencing: Sanger's method of DNA sequencing: traditional and automated sequencing Functioning of PCR: Basics of PCR. Functioning of PCR 1 Yes - Discussio 1 week-2 4 DNA sequencing: Sanger's method of DNA sequencing: traditional and automated sequencing Functioning of PCR Assignment 1 Yes - Discussio 1 week-2 4 DNA fingerprinting: procedure and polications. Eloting techniques Seminar 1 Yes - Discussio 1 week-4 4 Applications in Industry and Agriculture: rementation: Different types of ferteer providuition: Singer unit test to ferteer providuition fishes Agriculture applications Agriculture applications - Clean techniques 1 Yes - & 2 & 1 week-4 4 Fermentation: Different types of ferteer providuition fishes Agriculture applications Agriculture techniques - 1 Yes - & & 2 2 & 2 2 2 2 2 2<		1		Manipulation of reproduction in animals:	USES	Critical	L	Yes	•	Quiz	Ц	tes		
Image: second	We	ek-1	4	Artificial Insemination, In vitro		assignment	1					1		
Image: Network 2 Image: Constraint 2 Image: Constand 2 Image: Constand 2				fertilization, super ovulation, Embryo		0								
Week-2 4 DNA Sequencing: Sanger's method of DNA sequencing: traditional and automated sequencing automated sequencing Functioning of PCR Assignment 1 Yes - Discussio 1 Week-2 4 DNA sequencing: traditional and automated sequencing Indication automated sequencing Indication				transfer, Embryo cloning.									-	
Week-2 4 DNA Sequencing: Sanger's method of DNA sequencing traditional and automated sequencing PCR Assignment 1 Yes - Discussio 1 Week-3 4 DNA fingerprinting: Frocedure and DNA fingerprinting: Procedure and applications. Blotting Blotting seminar 1 Yes - Northern 1 1 Yes - 1				PCR: Basics of PCR.	Functioning of					Group		Vor	•	Confector All
Week-2 DNA sequencing-traditional and automated sequencing automated sequencing Image: Construction of the character of the characte			4	DNA Sequencing: Sanger's method of	PCR	Assignment	1	Yes	ï	Discussio	Ч			-
week-3 4 Hybridization techniques: Southern, Northern and Western blotting applications in Industry and Agriculture applications. Blotting techniques seminar 1 Yes - Unit test 1 Week-4 4 Applications in Industry and Agriculture: Fermentation: Different types of Fermentation and Downstream processing; Agriculture: Monoculture in Ervice nolybolidy in fishes Agriculture applications Agriculture applications Test 1 Yes - & Clean & Green 1	W	eek-2		DNA sequencing- traditional and				~		=				
Week-3 4 Hybridization techniques: Southern, Northern and Western blotting DNA fingerprinting: Procedure and applications. Blotting techniques seminar 1 Yes - Unit test 1 Week-4 4 Applications in Industry and Agriculture: Fermentation: Different types of processing; Agriculture: Monoculture in processing; Agriculture: Monoculture in .Agriculture applications .Agriculture applications 1 Yes - Clean 1 Week-4 4 Fermentation and Downstream processing; Agriculture: Monoculture in processing; Agriculture in .Agriculture applications .Test 1 Yes - &green 1				automated sequencing										
4 Applications in Industry and Agriculture: Agriculture Agriculture 4 Applications in Industry and Agriculture: Agriculture Agriculture 4 Fermentation: Different types of processing; Agriculture: Monoculture in processing; Agriculture in fishes Test 1 Yes Clean 1	PIL 024				Blotting	seminar	Ч	Yes	•	Unit test	ч	Yes	1	
applications. Applications in Industry and Agriculture: .Agriculture .Agriculture 4 Fermentation: Different types of .Agriculture applications Test 1 Yes Clean 1 Fermentation: Sig: Agriculture: Monoculture in processing; Agriculture: Monoculture in Test 1 Yes - &green 1		Neek-3		Procedure	tecnniques									
4 Applications in Industry and Agriculture: .Agriculture .Agriculture 4 Fermentation: Different types of applications Test 1 Yes Clean 1 processing; Agriculture: Monoculture in processing; Agriculture in fishes Fermentation Agriculture in 1 Yes - & green 1				applications.										
4 Fermentation and Downstream processing; Agriculture: Monoculture in Echoe polyploidy in fishes			+	Applications in Industry and Agriculture:	.Agriculture	l	•	4		2	•	4	• • 2. k	-
processing; Agriculture: Monoculture in		Week-4		Fermentation and Downstream	-	Test	ىر	Yes		& green	F	Tes		
		-		processing; Agriculture: Monoculture in								2 2 -		

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Signature of the Principal

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	M.Sc., Hours availa ble Syllabus topic 4 Commencement of classes for IV Semester 4 Additional Additional Additional Provided /taught Addition Provided /taught Conducted uses Seminar	M.Sc., M.Sc., Syllabus topic Commencement of classes for IV Semester 08.01.2024 M.Sc., Additional Input/Value Additional Provided /taught Conducted Ummunology uses seminar	M.Sc., M.Sc., Additional Input/Value Addition Provided /taught Curricular Activity Addition Provided /taught Conducted allotte Conducted allotte conducted allotte conducted allotte d d d d d d d d d d d d d	M.Sc., M.Sc., Additional Input/Value Addition Provided /taught Conducted allotte d 08.01.2024 M.Sc., Additional Input/Value Addition Provided /taught Conducted allotte d 1 1
	Activity Conducted seminar	Activity Conducted seminar	Curricular Activity Activity Conducted allotte conduct d d d d d d d d d d d d d d d d d d d	Curricular Activity Activity Conducted allotte conducte d d d d seminar 1 Yes
M.Sc., Syllabus topic Commencement of classes for IV Semester 08.01.2024 Introduction of the syllabus Cell Biology			Curricular Activity Hours Whethe allotte conduct d d d	Curricular Activity Hours Whether allotte conducte d d Yes
		Curricula Allotte		<u> </u>
Additional Input/ Value Addition Provided /taught Curricular Activity Input/ Value Addition Provided /taught Activity Conducted Hours allotte Whether conducted d Immunology uses seminar 1 Yes	er If not, te alternat e date	If not, alternat e date	Activity Conduct ed Clean & Green in the campus	
Additional Input/ Value Addition Provided /taught Curricular Activity Addition Provided /taught Activity Conducted Hours allotte Whether allotte If not, alternat Activity conducte Immunology uses seminar 1 Yes - Green in the	er If not, Activity e date ed	If not, alternat e date e date e date e date e d e date e d e d e d e d e d e d e d e d e d e	ed uct	Hours allott ed
Additional Input/ Value Addition Provided /taught Curricular Activity Addition Provided /taught Activity Conducted Hours allotte Whether allotte If not, alternat Activity conducte Immunology uses seminar 1 Yes - Green in the	er If not, Activity e date ed	If not, alternat e date e date e date e date e d e date e d e d e d e d e d e d e d e d e d e	ed uct	Co-curricular Activit Hours Whether allott conducted ed 1 Yes
Additional Input/ Value Addition Provided /taught Curricular Activity Co-currin Mours Co-currin Whether Immunology uses Activity Conducted allotte Hours allotte Whether allotte If not, allotte Activity e date Hours allotte Immunology uses seminar 1 Yes - Clean & Green in 1	er If not, Activity Hours Whether e date ed ate ed ate ed ate ed ate in Green in the campus 1 Yes	If not, alternat e date Activity Conduct ed Hours allott ed Whether conducted ed - Clean & Green in the campus 1 Yes	Co-curricular Activity tivity Hours Whether nduct allott conducted ed ed ed red red red red red red red red	Whether conducted Yes

GOVT. DEGREE COLLEGE, RAJAMPET, ANNAMAYYA DISTRICT

Annual Curricular Plan (Lecturer wise):2023-24

Name of the Lecturer: B.SUJATHA

Academic Year: 2023 – 2024

Class: B.Sc. 200 (Hov)

Subject: Zoology

Semester: N

Signature of the Department I/C

3- Land Signature of the Lecturer

2		-2024	FEBRUAR		\rightarrow		S A	I
3.2	Week-4			<			Month	me of th
B	ik-4	Week-3	Week-2	Week-1			Week	he Led
	4	4	4	4-		ble		turer:
	Cell Division- mitosis, meiosis. Cell cycle – stages- check points- regulation	Structure and functions of Mitochondria & Centriole. Structure and functions of Nucleus & Chromosomes	Structure and functions of Lysosomes & Ribosomes	Endoplasmic Reticulum	Structure and c	Syllabus topic		GOVT. DEGREE COLLEGE, RAIAMPET, ANNAMAYYA DISTRICT Name of the Lecturer: B.SUJATHA M.Sc., Academic Year: 2023 – 2024
	Functions immunity system	Examples of innate immunity	Vaccines uses	Immunology uses		Input/ Value Addition Provided /taught	Additional	<u>DEGREE COLLEGE, RAJAM</u> Annual Curricular Plan (Le ^{nic Year:} 2023 – 2024
	Guest lecturer	Test	Assignment	seminar	Conducted	Activity	1	MAMPET, A
	4		1	щ	allotte	Curricu	: B.Sc	NNAM Wise)H2
	Yes	Yes	Yes	Yes	conducte d	- ar	Class: B.Sc. Z00 (How)	PET, ANNAMAYYA DIS cturer wise):2023-24
				(- 1)	alternat e date	8	r	TRICT
	Group Discussio n	Quiz			Conduct		Subject: Zoology	
	4	ц			allott	Co-cu	loology	
	Yes	Yes			whether	- Ti		
					If not, alternate date	ž	Semester: I	2
						Rema rks		

Signature of the Department I/C

13 . Sup Signature of the Lecturer

Month	Week	Hours availa ble	Syllabus topic	Additional Input/ Value Addition Provided		Curricula	Curricular Activity			Co-ci	3	Co-curricular Activity
			Synapus topic	/taught	Activity	Hours	Whether	If not,	Activity	-		Hours
					Connactor	d	d	e date	e	-	e	B
	Week-1	4	Abnormal cell growth- cancer- apoptosis Bio energetics- Glycolysis-Krebs cycle-ETS	Immunology uses	seminar	ц	Yes			the second se		
	Week-2	4	Central Dogma of Molecular Biology Basic concepts of - DNA replication – Overview.	Vaccines uses	Assignment	1	Yes	1				
MARCH -2024	Week-3	4	Transcription in prokaryotes and eukaryotes	Examples of innate immunity	Test	1	Yes	1	Quiz		-4	1 Yes
	Week-4	4	Initiation, Elongation and Termination, Post- transcriptional modifications. Translation – Initiation, Elongation and Termination.	Functions immunity system	Guest lecturer	1	Yes		Group Discussio n		н	1 Yes

GOVT. DEGREE COLLEGE, RAJAMPET, ANNAMAYYA DISTRICT

Annual Curricular Plan (Lecturer wise):2023-24

Name of the Lecturer: B.SUJATHA Aca

Academic Year: 2023 – 2024

Class: B.Sc. Z00 (How) 5

Subject: Zoology Semester:

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Signature of the Department I/C

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1												
Month	Week	Hours availa ble	Syllabus topic	Additional Input/ Value Addition Provided		Curricular Activity	r Activity			<	Co-cur	Co-curricular Activity
				/ taugnt	Activity Conducted	Hours	Whether	If not, alternat	Activity Conduct	P P	ity Hours allott	
	Week-1	4	Gene Expression in prokaryotes (Lac Operon); Gene Expression in eukaryotes	Immunology uses	seminar	1 6	Yes		Clean & Green in the campus	5 5 8		
	Week-2	4	Biomolecules- Carbohydrates (Glucose- structure-properties- biological importance only)	Vaccines uses	Assignment	1	Yes	1				
APRIL -2024	Week-3	4	Biomolecules- Protein(Amino acid) Biomolecules- Lipids (Fatty acid- structure - properties- biological importance only)	Examples of innate immunity	Test	4	Yes	i.	Quiz		ц	
	Week-4	4	UNIVERSITY PRACTICALS EXAMINATIONS REVISION OF THE SYLLABUS									220

GOVT. DEGREE COLLEGE, RAJAMPET, ANNAMAYYA DISTRICT

Annual Curricular Plan (Lecturer wise):2023-24

Name of the Lecturer: B.SUJATHA

Academic Year: 2023 – 2024

Class: B.Sc. 200(Han)

Semester: 1

Subject: Zoology





ANNUAL CURRICULAR PLAN

2023 - 2024

DEPARTMENT OF ZOOLOGY B.SUJATHA LECTURER IN ZOOLOGY

0.

DEPARTMENT : PHYSICS

CLASS: II B.Sc ,SEMESTER : III

YEAR : 2023-24

Paper : III

	Month	Hours	Syllabus topic	Additional	Cu	rricular A	Activity		С	o-Curric	cular Activity		
	&	availa		Input/ Value	Activity	Hours	Wheth	If	Activity	Но	Whether	If	ks
S.No	Week	ble		Addition		Allott	er	Not,		urs	conducted	Not,	Remarks
S						ed	conduc ted	alter nate		All otte		alter nate	Rer
							icu	date		d		date	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Sept	04+02	UNIT-II: Thermodynamics:			01							
	week		Introduction- Isothermal and Adiabatic										
			processes, Reversible and irreversible										
			processes, Carnot's engine and its										
			efficiency, Carnot's theorem,										
2	Sept 2 nd week	04+02	Second law of thermodynamics: Kelvin's and Clausius statements Entropy, Physical		Teaching Class.	4			Seminar	1			
2	WCCK	04+02	significance, Change in entropy in reversible and irreversible processes;		Practical Class.	2							
	Sept 3 rd	04+02	Entropy and disorder- Entropy of		Teaching Class.	4			Quiz/ Debate	1	Yes		
3	week		Universe; Temperature-Entropy (T-S) diagram and its uses ; change of entropy		Practical Introducti on class.	2							
			when ice changes into steam.										

DEPARTMENT : PHYSICS

CLASS: II B.Sc ,SEMESTER : III

YEAR : 2023-24

Paper : III

			-						
4	Sept 4 th week	04+02	UNIT-III: Thermodynamic Potentials and Maxwell's equations: Thermodynamic potentials-Internal Energy,	 Teaching Class.	4		1		
			Enthalpy, Helmholtz Free Energy, Gibb's						
			Free Energy and their significance	Practical class.	2				
5	Oct 1 st week	04+02	Derivation of Maxwell's thermodynamic relations from thermodynamic potentials, Applications to (i) Clausius-Clayperon's equation	Class. Practical Introducti on class.	4	Assignment given through Google classroom Student Seminar Classes	1	Yes	Plastic free campus drive,col lected plastic in the campus
6	Oct 2 nd week	04+02	(ii) Value of Cp-Cv(iii) Value of Cp/Cv	Teaching Class. Practical Introducti on class.	4	Solar panels cleaning programme	1	Yes Solar panels cleaning programme activity conducted on 13- 10-2023	
7	Oct 4 th week	04+02	UNIT-IV: Low temperature Physics: Methods for producing very low temperatures, Joule Kelvin effect, Porous plug experiment , Joule expansion,	Teaching Class. Practical Introducti on class.	4	Student Seminar Classes	1	yes	

DEPARTMENT : PHYSICS

CLASS: II B.Sc ,SEMESTER : III

YEAR : 2023-24

Paper : III

		Distinction between adiabatic and Joule Thomson expansion.						
8	Nov 1 st week	04+02Expression for Joule Thomson cooling.Liquefaction of air by Linde's method,Production of low temperatures byadiabatic demagnetization (qualitative),Practical applications of substances at lowtemperatures.	Teaching Class. Practical Introducti on class.	4	Assignr give throug Goog classro	n 1 gh le	yes Yes	
9	Nov 2 nd week	04+02 UNIT-V: Quantum theory of radiation: Blackbody and its spectral energy distribution of black body radiation, Kirchoff's law, Wein'sdisplacement law.	Teaching Class. Practical Introducti on class.	4		1		
10	Nov 3 rd Week	04+02 Stefan-Boltzmann's law and Rayleigh-Jean's law (No Derivation) Planck's law of black body radiation-Derivation, Deduction of Wein's law.	Teaching Class. Practical Introducti on class.	4	Stude Semir Class	nar	yes	

DEPARTMENT : PHYSICS

CLASS: II B.Sc ,SEMESTER : III

YEAR : 2023-24

Paper : III

		······································								
Nov 4 th Week	04+02	Rayleigh- Jean's law from Planck's law, Solar constant , Estimation of surface temperature of Sun.		Teaching Class.	4		Mid Exam	1	Yes	
				Practical Introducti						
				on class.	2					
1 st	04+02	UNIT-I: Kinetic Theory of gases-Introduction,		Teaching Class.	4		Building models	1		
		Maxwell's law of distribution of molecular velocities (qualitative treatment only)		Practical Introducti on class.	2					
Dec (2 nd week	04+02	Mean free path, Transport phenomenon in ideal gases: viscosity, Thermal		Teaching Class. Practical	4		Student Seminar Classes	1	Yes	
		conductivity and unfusion of gases.		on class.						
Jan (1 st week	04+02	Introductory class		Teaching Class.			Solar panels cleaning programme	1	Solar panels cleaning programme activity	
	4 th Veek Dec 1 st veek Dec 2 nd veek	$ \begin{array}{c c} 4^{\text{th}} \\ \text{Veek} \\ \hline Dec \\ 1^{\text{st}} \\ \text{veek} \\ \hline Dec \\ 2^{\text{nd}} \\ \text{veek} \\ \hline Jan \\ 1^{\text{st}} \\ \hline 04+02 \\ \hline 04$	4th WeekSolar constant , Estimation of surface temperature of Sun.Dec 1st week04+02UNIT-I: Kinetic Theory of gases-Introduction, Maxwell's law of distribution of molecular velocities (qualitative treatment only)Dec 2nd week04+02Mean free path, Transport phenomenon in ideal gases: viscosity, Thermal conductivity and diffusion of gases.Jan 1st04+02Introductory class	4th WeekSolar constant , Estimation of surface temperature of Sun.Dec 1st week04+02UNIT-I: Kinetic Theory of gases-Introduction, Maxwell's law of distribution of molecular velocities (qualitative treatment only)Dec 2nd week04+02Mean free path, Transport phenomenon in ideal gases: viscosity, Thermal conductivity and diffusion of gases.Jan 1st04+02Introductory class	4th WeekSolar constant , Estimation of surface temperature of Sun.Class.Dec 1st week04+02UNIT-I: Kinetic Theory of gases-Introduction, Maxwell's law of distribution of molecular velocities (qualitative treatment only)Teaching Class.Dec 2nd week04+02Mean free path, Transport phenomenon in ideal gases: viscosity, Thermal conductivity and diffusion of gases.Teaching Class.Jan 1st04+02Introductory classTeaching Class.	4th VeekSolar constant , Estimation of surface temperature of Sun.Class.Practical Introducti on class.Practical Introducti on class.2Dec 1st week04+02 Kinetic Theory of gases-Introduction, Maxwell's law of distribution of molecular velocities (qualitative treatment only)Teaching Class.4Dec 2nd week04+02 Introducti and ideal gases: viscosity, Thermal conductivity and diffusion of gases.Teaching Class.2Jan 1st04+02 Introductory classIntroductory class2	4th VeekSolar constant , Estimation of surface temperature of Sun.Class.Practical Introducti on class.Practical Introducti on class.Practical Introducti on class.Dec 1st veek04+02UNIT-I: Kinetic Theory of gases-Introduction, Maxwell's law of distribution of molecular velocities (qualitative treatment only)Teaching Class.4Dec 2nd veek04+02Mean free path, Transport phenomenon in ideal gases: viscosity, Thermal conductivity and diffusion of gases.Teaching Class.4Jan 1st04+02Introductory classTeaching Class.2	4th VeckSolar constant , Estimation of surfaceClass.VeckSolar constant , Estimation of surfacePractical Introducti on class.Practical Introducti on class.Dec 1st week04+02UNIT-I: Kinetic Theory of gases-Introduction, Maxwell's law of distribution of molecular velocities (qualitative treatment only)Teaching Class.4 Practical Introducti on class.Building modelsDec 2 nd week04+02Mean free path, Transport phenomenon in ideal gases: viscosity, Thermal conductivity and diffusion of gases.Teaching Class.4 Class.Student Seminar ClassesJan 1st04+02Introductory classTeaching Class.2Solar class.Solar class.	4th VeekSolar constant , Estimation of surface temperature of Sun.Class.Class.Dec 1st veek04+02UNIT-I: Kinetic Theory of gases-Introduction, Maxwell's law of distribution of molecular velocities (qualitative treatment only)Teaching Class.4Dec 1st veek04+02UNIT-I: Kinetic Theory of gases-Introduction, Maxwell's law of distribution of molecular veekTeaching Class.4Dec 1st veek04+02Mean free path, Transport phenomenon in ideal gases: viscosity, Thermal conductivity and diffusion of gases.Teaching Class.4Jan 1st veek04+02Introductory classTeaching Class.2Jan veek04+02Introductory classTeaching Class.2Jan conductivity and diffusion of gases.Teaching Class.Solar Class.1Jan veek04+02Introductory classTeaching Class.1	4th Veek Solar constant , Estimation of surface temperature of Sun. Class. Class. Image: Class.

GOVT. DEGREE COLLEGE, RAJAMPET ANNUAL CURRICULAR PLAN - LECTURER WISE 2013 11, Class : Physics Minor For CS Major students Year : 1

Paper: I Mechanics and Properties of Matter

17 Department: PHVSR'S Name of the Lecture: N.B.SIVARAMIREDDY

-		Bear	Syllabus topic		Cur	ricular Activit	y .		Co- Currie	fier Activi	ty		-
No	Algorith A Week	s avail able	Symbols topic	Additional Input/Valu c Addition	Activity	Hours allotted	Whether conducted	If not alternat e date	Activity	Hours allotted	Whether conducted	lf nut alternate date	Rem
	JAN 4° week	4+2	Syllabus dictated . Unit-1 APCTOR ANALYSIS Scalar and vector fields, gradient of a scalar field and its physical significance.		Class room teaching Practicals Class room	4	Yes		Students can choose a physical field and create a field map by taking measurements at different points. They can then calculate the				
	February pr	4-2	Divergence and curl of a vector field with derivations and	problems Solved in vector analysis	teaching Practicals	4 2	Yes		gradient of the field and analyse the variations. This activity helps them understand the concert of our direct				
			physical interpretation.		Class room teaching	4	Yes		concept of gradient in a scalar field.				
	7 nd words		Vector integration (line, surface and volume)Statement and proof of Gauss and Stokes theorems.		Practicals	2							
	^{pr} anni	4+2	Laws of motion, motion of variable mass system, Equation of motion of a rocket		Class room teaching Practicals	-2	Yes						

Signature of the Lecturer

Signature of the Department I/e

Signature of the Principal

GOVT. DEGREE COLLEGE, RAJAMPET ANNUAL CURRICULAR PLAN - LECTURER WISE 2023-24 Class : Physics Minor For CS Major students Year : 1

Department: PHYSICS

Paper: I Mechanics and Properties of Matter

-		Bours	Syllabus topic	Additional Input/Value		urricular /	www.y		Cn	- Carrient	ar Activity		
No.	Month & Werk	able		Addition	Activity	Hours allotted	Whether conducted	lf est alternate date	Activity	Hours	Whether	lf not alternate date	Remarks
	en werd	4+2	Conservation of energy and momentum, Collisions in two and three dimensions,	problems Solved in Mechanics of particles	Class room teaching	4	Yes		Mid I exams	1			
	March			particito	Practicals	2			Quiz	1			
6	14 million	4+2	Concept of impact parameter, scattering eross-section, Rutherford scattering-derivation.		Class room teaching	4	Yes						
7	P. 803	4-2	Definition of rigid body, rotational kmematic relations, equation of motion for a rotating body, Precession of a top, Gyroscope,	problems Solved in Regid body Mechanics	Practicals Class room teaching	2	Yes		Seminar / Assignment,				
			Precession of the equinoxes.		Practicals	2							
8	in an	4+2	Elastic constants of isotropic solids and their relations, Poisson's ratio and expression for Poisson's ratio.		Class room teaching	4	Yes		Field trip to LOCAL BSNL office	2			
					Practicals	-2			office			-	

Signature of the Lecturer

1

Signature of the Department I/e

Signature of the Principal

GOVT. DEGREE COLLEGE, RAJAMPET ANNUAL CURRICULAR PLAN - LECTURER WISE 2028-24 Class Physics Minor For CS Major students Year : I Paper: I Mechanics and Properties of Matter

Name of the Lecturer N.B.SIVARAMIREDDY

etment. PHYSICS

	Month	Burgers	Svilabus topic	Additional		urricular /	Activity		Ci	o- Curricul	ar Activity	1	
00	å Væs	avail able	Si mus orter	Input/Value Addition	Activity	Hours	Whether conducted	lf not alternat c date	Activity	Hours allotted	Whether	If not alternate	Remarks
	e 1	4+2	Central forces, definition and examples, characteristics of central furnes, conservative nature of central forces, conservative force as a negative gradient of potential energy, equations of motion under a. Derivation of Kepler's laws.	problems Solved in Central forces	Class room teaching Practicals	4	Yes		Seminar Assignment	1	conducted	date	
10	April 2. 19	4+2	Gailiem relativity, Absolute frames. Michelson-Morley experiment, The negative result. Postulates of special theory of relativity, Lorentz transformation, time dilation, length contraction, Mass energy relation.	problems Solved in special theory of relativity	Class room teaching Practicals	4	Yes		Mid II exams	1			
	9	class	it of the Lecturer		Signatur	fue D	epartment	I/c			Signatur	e of the Pri	ncipal

SEMISTER CURRICULAR PLAN

Department: PHYSICSClass: III Year B.Sc MPCs.IName of the Lecturer : Dr.L.Raja Mohan Reddy

Paper: VII C

Academic Year : 2023-24

SEM-V

	Month	Hours	Syllabus topic	Additional	С	urricular A	Activity		(Co-Curric	ular Activity		
0	&	availa		Input/	Activity	Hours	Wheth	If Not,	Activity	Hours	Whether	If Not,	Remarks
S.No	Week	ble		Value		Allotte	er	alternate		Allott	conducted	alternat	ma
01				Addition		d	conduc	date		ed		e date	Re
							ted						
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Aug	3+3	Syllabus ,Question paper model		Teaching	3							
1	5 th		Unit-I		Class.								
	week		TypesofelectronicInstruments-Analoginstruments										
					Practical	3							
					Class.								
	C (3+3	DigitalInstruments,DCVoltmeter		Teaching	3							
	Sept 1 st				Class.								
2	week				Practical	3							
	Week				Class.	5							
	Sept	3+3	AC Voltmeter, Construction and working of an		Teaching	3							
	2 nd	575	Analog Multimeter		Class.	5							
3	week				Clubb.								
5	week				Practical	3							
					class.								
4	Sept	3+3	Construction and working of Digital Multimeter,		Teaching	3							
	3^{rd}		Applications of Multimeters, Solving Problems		Class.								
	week												
					Practical	3							
					class.								
5	Sept	3+3	Unit-II		Teaching	3							
	4 th		Cathode Ray Oscilloscope-Introduction, Block		Class.								

SEMISTER CURRICULAR PLAN

Department: PHYSICSClass: III Year B.Sc MPCs.Paper: VII CName of the Lecturer : Dr.L.Raja Mohan Reddy

SEM-V Academic Year : 2023-24

	week		diagram of basic CRO,Cathode ray tube						
				Practical	3				
				class.					
6	Oct	3+3	Electron gun assembly, Screen for CRT, Time base	Teaching	3	ASS			
	1 st week		operation, Vertical deflection system, Horizontal	Class.		NME T	N		
			deflection system	Practical	3				
	-			class.	-				
7	Oct	3+3	Use of CRO for the measurement of	Teaching	3	Mic			
	2^{nd}		voltage (AC and DC), frequency, phase	Class.		exam	-I		
	week		difference.	Practical	3				
				class.	3				
8	Oct	3+3	Unit-III	Teaching	3.				
0	3 rd	515		Class.	5.	Quiz	/ 1		
	Week		Classification of transducers, Selection of	Ciubb.		Deba			
			transducers, Resistive, capacitive & inductive	Practical	3				
				class.					
			transducers,						
9	Oct	3+3	Resistiveandcapacitivetouchscreentransducerusedi	Teaching	3				
	4 th		nmobiles,	Class.					
	Week		innoones,						
				Practical	3				
1.0				class.					
10	Nov	3+3	Displacementtransducer-LVDT,	Teaching	3				
	1 st		Piezoelectric transducer.	Class.					
	week			Practical	3				
				class.	3				
				Class.					

SEMISTER CURRICULAR PLAN

	Departmen Name of the		SICS Class: III Year B.Sc MPCs. arer : Dr.L.Raja Mohan Reddy	Paper: VII C	Acad	SEM-V emic Year : 2023-24		
11	Nov 2 nd week	3+3	Unit-IV Introduction to Display devices, Seven Segment Displays, LED Displays,Construction and operation (Display of numbers)	Teaching Class. Practical class.	3 3	Mid exam-II	1	
12	Nov 3 rd week	3+3	Types of SSDs (Common Anode & Common Cathode type), Limitations of SSDs.	Teaching Class. Practical class.	3 3	Group Discusi on	1	
13	Nov 4 th week	3+3	UNIT-V Basic operating principles and uses of (i) Clinical thermometer (ii) Stethescope (iii) Sphygmomanometer	Teaching Class. Practical class.	3 3	Carrier Guidanc e	1	
14	Dec 1 st week	3+3	(iv) ECG machine (v) Ultrasound scanning (vi)Pulseoxymeter (vii)Glucometer.	Teaching Class. Practical class.	3 3		1	

Annexure -I Table -SEMISTER CURRICULAR PLAN

Department: PHYSICS

Class: III Year B.Sc MPCs. (2023-24)

Name of the Lecturer : S.Mahaboob Basha

	Month	Hours		Additional		Curricular	Activity		C	o-Curri	cular Activity		
S No		availabl c		Input/ Value Addition	Activity	Hours Allott ed	Wheth er conduc ted	If Not, alternate date	Activity	Hou rs Allo tted	Whether conducted	If Not. alternat e date	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	August 5 th week	3+3	Syllabus ,Question paper model Unit-I Passive and Active elements-Examples,		Teaching Class. Practical Class.	3							
2	Sept 1 st week	3+3	Resistor-Types of Resistors, Color coding -		Teaching Class. Practical Class	3							
3	Sept 2nd week		Applications of a Resistor as a heating element in heaters. Capacitor-Types of Capacitors,		Teaching Class. Practical class.	3							
4	Sept 3 ^{nt} week		Capacitor-Types of Capacitors, Color coding		Teaching Class. Practical class.	3							
_					-	3							-

S.m. m.L.

With Care

	5 Sej 4º wee		Energy stored in a capacitor. Applications of Capacitor in motors(Fans) etc., Inductor-Types of Inductors,			3		1	1. 123	
1	6 Oct 1ª Neci		EMF induced in an Inductor, Applications of Inductor. Application of choke in a fan. Unit-II Types of power sources-DC & AC sources, Different types of batteries	Tea C Practi class.		3	ASSIGN MENT	1		
	Oct 74 week	3-3	batteries -Lead acid batteries, Li-ion batteries. Series, Parallel & Series-Parallel configuration of batteries,			3	Mid exam			
8	Oct 3ª Waek	3+3	Constant Voltage source-Constant Current Source-Applications of Current sources & Voltage sources			3. 3	Quiz. Debate	1		
9	Oct 4= Week		Unit-III Alternating Currents A.C Power source-Generator, Construction and its working principle Transformers Construction and its working principle	Teach Cla: Practica class.	ISS.	3		1		
	Nov J# veck	1	Types of Transformers-Step-down and Step-up Fransformers, Relation between primary turns and econdary turns of the ransformer with mf Use of a Transformer in a regulated Power applies.	Teach Clas Practical class.	ning ss.	3	Mīd exam	1		
						1	 For in	2		

Table -SEMIST	
TER CURRICU	Annexure -I
LAR PLAN	

epartment: PHYSICS

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Class: III Year B.Sc MPCs. (2023-24)

SEM-V Paper: VI C

ame of the Lecturer : S.Mahaboob Basha

	4.	- 54	14	-	-	S No	
	a st	Sept 2nd work	way.	See Mark		Wash	Month
	3	3-3	144 + 143	u u	54	avaujabi c	Hours
	Capacitor-Types of Capacitors, Color coding	Applications of a Resistor as a heating element in beaters Capacitor -Types of Capacitors,	Resistor-Types of Resistors. Color coding -	Syllabus Question paper model Unit-I Passive and Active elements-Examples.	A contraction of the second seco		Syllabus topic
Provide and and					5	Input/ Value Addition	Additional
	Teaching Class. Practical class.	Teaching Class. Practical class.	Teaching Class Practical Class	Teaching Class. Practical Class	6	Activity	0
••	يما	ين س	્ય પ	بين لب	7	Allott ed	Curricular Activity
1					*	Wheth er conduc ted	Activity
					9	If Not. alternate date	
Ì					10	Activity	0
					11	Allo Allo	o-Curric
					12	conducted	Co-Curricular Activity
					13	alternat c date	
					4		-

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COMMISSONERATE OF COLLEGIATE EDUCATION,



GOVT. DEGREE COLLEGE

(Affiliated to Yogi Vernana University, Kadapa.) RAJAMPET, KADAPA. Dt.

TEACHING DIARY

ACADEMIC YEAR 2023 -2024

Name of the Department: malh mation

NAME OF THE LECTURER: Viki Mastin Vali

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Signature of the Department I/C

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8 1 ດ CI 4 ω No. N -Class : Signature of the Lecturer mber Dece Month Week available M. Aayo November 4 week 3 week 2 week 4 week 3 week 5 week 2 week week week TE 18SC 20 es Ŧ F 5 5 (mpcs, mscs) Kings, Integral Subrings Domains + Fields Ilmorphism of gloups Homemolphism warmed Subgroups Theolums on undrunch Suborproups Revision Syllabus / topic Additional Input/ Value Addition Conducted allotted Conducted 1 Annual Curricular Plan: 2023 - 124 1 1 1 Signature of the Department I/C Asignment Year : Assymmet H. Oayor Seminar 1 1 1 7 **Curricular Activity** -ł ١ Subject : milhennetius 53h yes Jer 1 1 1 If not. Activity Hours Whether alternate date Conducted allotted Conducted date 1 ţ 1 1 ١ 1 1 A Co - Curricular Activity 1 1 1 1 Signature of the Principal 1 i ١ Paper : 111 1 1 ١ 1 1 1 Assignmed Seminar Conducter . Assignment Conductory + Conducty 5 Remarks 1 5ª

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GOVT. DEGREE COLLEGE, RAJAMPETA, ANNUAL CURRICULAR PLAN - 2023- 24 DEPT. OF ZOOLOGY ANNAMAYYA DT. SEMESTER - 田 やエ PAPER - Cell Biology, Genetize, Molecular Biology 5 Introduction to classic Boblogy

NAME OF THE LECTURER : Dr. N. Chandra Mohan.

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		Chromosomes Unit – II Genetics - I	Structure and functions of Ribosomes, Mitochondria, Nucleus.	Endoplasmic Reticulum and Lysosomes.	Structure and functions of Golgi complex,	Mycoplasma, Electron microscopic structure of animal cell. Plasma membrane –Models and transport functions of plasma membrane.	virus, viroids.	Definition, history, prokaryotic and eukaryotic cells.	Unit – 1 Cell Biology	1		Syllabus tonic Curricular Activity Co-Curricular Activity
			Protein synthesis	k		types of viruses	of bacteria	Structure		S	Additional input/Value Addition	
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			Mutations & Mutagenesis	Unit - III Genetics - II	Sex linked inheritance (X-linked, Y-linked & XY-linked inheritance)	,	Balance, Hormonal, Environmental and Haplo-diploidy types of sex determination).	Sex determination (Chromosomal, Genic	and Blood group inheritance	Codominance, Lethal Genes,Polygenes (General Characteristics & examples); Multiple Alleles (General Characteristics	Gene Interaction – Incomplete Dominance,		4	Syllabus topic	
	ž	mutations	and	Useful			mes	Types of		ofgene	Structure		5	Additional input/Value Addition	
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Gene Expression in prokaryotes (Lac Operon); Gene Expression in eukaryotes Unit V – Origin of life - Theories of Evolution: Lamarckism, Darwinism, Public practicals exams	Transcription in prokaryotes – Initiation, Elongation and Termination, Post- transcriptional modifications (basics) Translation – Initiation, Elongation and Termination	Central Dogma of Molecular Biology - DNA replication – Overview (Semi- conservative mechanism, Semi- discontinuous mode, Origin & Propagation of replication fork)	Basics on Genomics and Proteomics UNIT IV: Molecular Biology	Human Genetics – Karyotyping, Pedigree Analysis (basics).	Chromosomal Disorders (Autosomal and Allosomal).	ŝ.	Availa 4	Svilabus torio e Curricular Activity Co-Curricular Activity
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				semester end examinations	Revision & Instructions about exams	Germ Plasm Theory, Mutation Theory Neo-Darwinism: Modern Synthetic Theory of Evolution, Hardy-Weinberg Equilibrium. Forces of Evolution: Isolating mechanisms, Genetic Drift, Natural Selection, Speciation				Activity Hours alloned Whether conducted If not, alternate date Hours allotted S Whether conducted If not, alternate date S Whether conducted If not, alternate date
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	Discovery of cell and types of cells		e of insects	Economic		Developm ent of organs			offertilizat	Types		A	dditional put/Valu ddition	L
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	Revision SEM END EXAMS	4.4. Origin of life	4.3. Central Dogma of Molecular Biology.	4.2. Chromosomes and heredity – Structure of chromosomes, concept of gene.	Ultra structure of eukaryotic cell, cell cycle.	4	Syllabus topic	Curr
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GOVERNMENT DEGREE COLLEGE RAJAMPETA DEPARTMENT OF BOTANY



ANNUAL CURRICULAR PLAN

2023-2024

B.NAGESH BABU, LECTURER IN BOTANY

Annual Curricular Plan (Lecturer wise):2023-24

Academic Year: 2023 – 2024Class: B.Sc.(B.Z.C& BCCS)EMSubject: BOTANY Semester: V

Name of the Lecturer: B.NAGESH BABU M.Sc., B.Ed.,

Co-curricular Activity Additional Remarks **Curricular Activity** Input/ Value Addition Whether If not, Syllabus topic Hou Activity Hours Week Month If not, Whether S.n Hours Provided Activity alternate conducted allott Conducted rs altern conducte 0 allotte /taught Conducted date ed avai d ate d labl date e AUGUS 1. T-2023 1 yes seminar Understand the Commencement of Classes for V Sem 28-08structure of 2023 Yes 1 Assignment mushrooms Week-4 3+3 Mushrooms: Definition, Structure of mushroom and brief account of life cycle. Identification of different types of mushrooms.

B. Nac

Signature of the Department I/C

Signature of the Principal

Signature of the Lecturer

Annual Curricular Plan (Lecturer wise):2023-24

Academic Year: 2023 – 2024Class: B.Sc.(B.Z.C&BCCS)EMSubject: BOTANY Semester: V

Name of the Lecturer: B.NAGESH BABU M.Sc. B.Ed.,

Additional **Co-curricular Activity Curricular Activity** Remarks Input/ Value Addition Syllabus topic Hou If not, Week Month Whether S.n Hours Activity If not, Whether Hours Provided Activity rs conducted alternate allott 0 Conducted conducte altern allotte /taught Conducted avai date ed ate d d labl date e seminar Historical account and scope of mushroom cultivation, difference between edible and Differentiate Yes 1 Unit test 3+3 poisonous mushrooms. Identification of the Week-1 mushrooms different types of mushrooms. Importance of Morphological features of any four edible mushrooms mushrooms, Button mushroom (Agaric 1 Yes 1 Yes Week-2 Assignment 3+3 usBosporus), Milky mushroom (Calocybe indica), Oyster mushroom (Pleurotus sajorcoju)andPaddystraw mushroom (Volvariella volvacea). SEPTEM Differentiate value of mushrooms; 2. BER-Nutraceutical the value and medicinal mushrooms in South India -2023 Yes Assignment 1 Week-3 3+3 harms of Ganodermalucidum, Phellinus rimosus, mushrooms Pleurotus florida and Pleurotus pulmonaris -1 Ist internal ves Mushrooms-theirtherapeuticvalue; Group exams Understand the Poisonous mushrooms-harmful effects. 1 Yes Discussion value of Week-4 3+3 Preparation of pure culture of an edible mushrooms mushroom.

Signature of the Lecturer

Signature of the Department I/C

Annual Curricular Plan (Lecturer wise):2023-24

ame of the Lecturer: B.NAGESH BABU Academic Year: 2023 – 2024Class: B.Sc. (B.Z.C&BCCS)EMSubject: BOTANY Semester: V Sc., B.Ed.,

	Week	Have	Syllabus topic	Additional Input/Value Addition	C	urricular	Activity			Co-curric	ular Activity		irks
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	Week-1	3+3	Small village unit and larger commercial unit; layout of a mushroom farm - location ofbuilding plot, design of farm, bulk chamber, composting, equipment and facilities, pasteurization room and growingrooms. Preparation of mother spawn.	Knowledge about mushroom form	Internal exams			-	Quiz	1	Yes	-	
October	Week-2	3+3	equipment and facilities,pasteurizationroom and growingrooms. Preparation of mother spawn	Understand the preparation of mother spawn				-			yes		
2023	Week-3	3+3	Compostandcomposting:Definition,machine nyrequiredforcompostmaking,materialsforc ompost preparation. Production of planting spawn and storage.	Knowledge about compost	Assignment	1	Yes	-	seminar	1	Yes	-	
	Week-4	3+3	Methodsof composting- longmethodofcompostingandshort methodof composting. Spawnandspawning:Definition,facilitiesrequ iredforspawnpreparation;preparationofspa wnsubstrate.	Knowledge about compost	Unit test	1	yes		seminar	1	Yes	-	

ture of the Lecturer

Annual Curricular Plan (Lecturer wise):2023-24

lame of the Lecturer: *B.NAGESH BABU* Academic Year: 2023 – 2024Class: B.Sc. (B.Z.C&BCCS)EMSubject: Botany Semester: V 1.Sc., B.Ed.,

T					Additional Input/ Value	с	urricular	Activity		(Co-curric	ular Activity		arks
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		Week-1	3+3	Preparationofpureculture,mediausedinraisingpur eculture;culturemaintenance,storageofspawn Casing: Preparation of compost and casing mixture.	Develop skill in pure culture preparation	Assignment	1	yes	-	Quiz	1	Yes	-	
		Week-2	3+3	Definition,Importanceofcasingmixtur e, Qualityparameters ofcasingsoil,differenttypes of casingmixtures, commonlyusedmaterials.	Understand the equipment's used in cultivation	Slip test	1	yes	-	Group Discussion	1	Yes	-	
4. ber- 2023	Week-3	3+3	Raw material, compost, spawning, casing, cropping, and problems in cultivation (diseases,pestsandnematodes,weedmolds andtheirmanagementstrategies),	Know the problems in cultivation	Assignment	1	Yes	-	Field trip	1	yes	-		
		Week-4	3+3	pickingandpackingfor the followingmushrooms: (a)Button mushroom (b) Oystermushroom(c) Milkymushroom and(d)PaddystrawmushroomKnowledge about self-life of mushrooms	Understand the picking and packing of mushrooms	Internal exams	1	Yes	-	Scrintar			-	

Signature of the lecturer

Signature of the Department I/C

Annual Curricular Plan (Lecturer wise):2023-24

ame of the Lecturer: B, NAGESH BABU Academic Year: 2023–20234Class: B.Sc(B.Z.C&BCCS) EM Subject :Botany Semester : V

n Month	Week	Hou rs avai labl e	Syllabus topic	Additional Input/Value Addition Provided /taught	Curricular Activity				Co-curricular Activity				s
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	Week-1	3+3	Shelflifeofmushrooms; preservationofmushrooms- freezing,dryfreezing,dryingandcanning. Hands on experience on cropping and harvesting	Knowledge about self-life of mushrooms	Internal exams	1	1	yes	seminar	1	yes		
5. DECEM BER- 2023	Week-2	3+3	Qualityassuranceand entrepreneurship- economics ofdifferent typesofmushrooms;valueadded products ofmushrooms. Demonstration of storage methods. Managementofspentsubstratesand wastedisposalofvariousmushrooms. Preparation of value-added products.	Understand about storage methods of mushrooms									
2023	Week-3	3+3	REVISION OF THE SYLLABUS V SEMESTER UNIVERSITY INTERNAL PRACTICAL EXAMINATIONS										
	Week-4		REVISION OF THE SYLLABUS V SEMESTER UNIVERSITY INTERNAL PRACTICAL EXAMINATIONS										

GOVERNMENT DEGREE COLLEGE RAJAMPETA

DEPARTMENT OF BOTANY



ANNUAL CURRICULAR PLAN

2023-2024

S.BHASKARRAO

LECTURER IN BOTANY

Signature of the Principal

Signature of the Department I/C

Signature of the Lecturer

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Additional Input/ Value Addition Provided /taught		Type of meratematic tasues		Anomalous secondary growth in Nycthus	Structure of wood		Types of Polien Grain
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GOVT. DEGREE COLLEGE, RAJAMPET, KADAPA DISTRICT

Semester Curricular Plan (Lecturer wise):2023-2024

OVT. DEGREE COLLEGE, RAJAMPET, KADAPA DISTRICT

Semester Curricular Plan (Lecturer wise):2023-2024

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	Precipitation			Drusa type of Embryosak	Addition Provided /taught	Additional Input/ Value
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Signature of the Lecturer

Signature of the Department I/C

Signature of the Principal

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	Hours availa ble	414	4 4	4	\$	2+2
	Syllabus topic	Ecological succession:Hydrosere and Xerosere. Population ecology: Natality, mortality, growth curves, ecotypes, ecads	Community ecology: Frequency, density, cover, life forms, biological spectrum	Concepts of productivity: GPP, NPP and Community Respiration Secondary production, P/R ratio and Ecosystems.	Biodiversity: Basic concepts, Convention on Biodiversity - Earth Summit. Value of Biodiversity; types and levels of biodiversity and Threats to biodiversity	Biodiversity Hot spots in India. Biodiversity in North Eastern Himalayas and Western Ghats
Additional Input/ Value Addition Provided /taught		Types of Ecotones				Biodiversity Hat Spots in World
Curricular Activity	Activity Conducted		Seminar			
tivity	Hours allotted		-			
	Whether conducted		hq			
	If not, alternate date					
Co-curricular Activity	Activity Conducted			Quiz		
r Activity	Hours allotted			1		
	Whether conducted			NO		
	If not, alternate date					
NCHING NO						

Academic Year: 2023- 2024 Class: II B.Sc (BZC&BCCs) semester Curricular Plan (Lecturer wise):2023-2024

Name of the Lecturer: S.Bhaskarrao

Subject: BOTANY Semester: III Paper : Anatomy , embryology of Angiosperm and Plant ecology , Biodiversity

GOVT, DEGREE COLLEGE, RAJAMPET, KADAPA DISTRICT

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		Revision	Principles of conservation/UCN threat-categories PED data book Role of NBPGR and NBA in the conservation of Biodiversity		Sylatus tipic	S.Braskaman Academic Year 2003-2004 Class III 6.Sc (ECCABOO)
			1		Additional Input/ Value Addition Provided (Paught	E BRY (FOCHOO)
		er en active autorisatione e		Actually Conducted	p	
	de montre des prises mon			alicense a	Qurrialite Activity	dject SOTAV
	ann a' ge a branchair a			Whether	æ	1 Ser 163
	in demonské hodri semonař			2 not, alternate cate		Surject BOTANY Servester: III Face: Anatomy Jembryology of Angiosperm and Plant ecology "Biodiversity
				Lowly Conducted	Coornality Activity	embryology
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				Whether conducted		
		noon til administration	an a	a a a	And the second sec	t ecology ,B
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Annual Curricular Plan (Lecturer wise):2023-24

20 Month Jan Name of the Lecturer: S, Bhaskarrao Group : IIBZC&BCCs Subject: BOTANY Semester: IV Paper: Cell biology, Genetic and plant breeding S Week 5 -Hours Syllabus topic availa ble 2+0 344 ž ctureultrastructure chloroplast. plasmids. organelles(plasmids),Ultrastru ctureultrastructure of on Ultra structure of a plant VS Animal cell Abrief account Cell theory, Prokaryotic cell Polymorphic organization various theories on wall.Ultrastructure ,Ultra structure of 2 VS Eukaryotic cell, Plantc ell plasmamembrane, and it and cell Cell Provided /taught Addition Input/ Value BAdditional Activity Conducted **Curricular Activity** Seminars allotted Hours conducted alternat e date yes Whether If not, Conducted Field Activity **Co-curricular Activity** one day: allott Hours Whether conducted NO . alternate date If not, . . Remarks

Signature of the Department I/C

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Signature of the Principal

	Month		Feb			
	Week	-	-	-	-	-
	Hours availab le	1+2	ź	i	i	342
Additional Value Addition	Syllabus topic	Prokaryotik vs Eukaryotik chrosmosomes,	morphology of a extanyotic chromosometrin and Heterochromatin, Karyotypes and Ideogram	Grief account of chromosomal aberration structure and numerical changes organization of DNA kchromosomes (solenoid and Nucleosome models)	Mendels laws of inheritance, incomplete dominance and CD dominance multiple alleles,	An A brief account of Unkage and crossing every Ovomosonal mapping-2point and 3-point test
BAdditional Input/ Value Addition	Provided /taught					
Curricular Activity	Activity Conducted	Seminal	Seminar		lat internation	Seminar
vity	Hours allotted	-	-			-
	Whether	Yes	Ya			5aA
	If not, alternat e date					
Co-curricular Activity	Activity Conducted			Quit		
ctivity	allott ed			-		
	Whether conducted					
	If not, alternate date			•		
Remarks						

GOVT. DEGREE COLLEGE, RAJAMPET, KADAPA DISTRICT

Annual Curricular Plan (Lecturer wise);2023-24|4433339

1000		and the second				10	
				march			Month
1.4.5	U.	4	ω	1		1.5	Week
	24	ŧ	1	3+2	1+2	•	Hours
	plant introduction and acclimatization.Definition "procedure ;application and uses; advantagesand limitation of mass selection,	Regulation of gene expression in prokaryotes-Lac operonPlant breeding and its scopes.Genetic basis of plant breeding.	Brief account on Transcription types and function of RNA ,Gene concepts and gene code and translocation,	Watson and crick models of DNA, Brief account on DNAReplication, Brief account of Transcription,	Concepts of material inbrihentance .		Syllabus topic
						/taught	BAddition al Input/ Value Addition Provided
		Seminar		Seminar	II nd internal examination	Activity Conducted	Iddition Input/ Iue Curricular Activity Co-curricular Idition ovided
		L		1		Hours allotted	livity
						Whether conducted	
						If not, alternat e date	
	mearker Dragean		Group discussion			Activity Conducted	Co-curricular Activity
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	1						Remarks

GOVT. DEGREE COLLEGE, RAJAMPET, KADAPA DISTRICT

Annual Curricular Plan (Lecturer wise):2023-24

ame of the Lecturer: S, BhaskarraoAcademic Year:2023 – 2024ClassII BZC Subject: BOTANYSemester: Cell biology, Genetic and plant breeding

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GOVT, DEGREE COLLEGE, RAJAMPET, KADAPA DISTRICT

Annual Curricular Plan (Lecturer wise);2023-24

ve of the Lecturer: S, BhaskarraoAcademic Year: 2023 – 2024ClassII BZC Subject: BOTANYSemester: Cell biology, Genetic and plant breeding

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	Month		April	1.1		
	Vieek	-	1	ω	4	σ
	Hours availab le	414	3+2	Î		
	Syllabus topic	Definition,; application and uses; advantages and limitation of Pure line selection and clonal selection.	Hybridization-schemes, and technique; Heterosis (Injord Vigour).	A brief account molecular breeding: DNA markers Inplantbreeding.RAPD,RFIP,		
al Input/ Value	Provided /taught					
Curricular Activity	Activity Conducted	Seminal				
dvity	Hours allotted	-				
	Whether conducted	yes				
	If not, alternat e date					
Co-curricular Activity	Activity Conducted	Debate				
divity	Hours allott ed	-				
	Whether conducted	No				
Remar ks	If not, alternate date	•				

Signature of the Department I/C

Signature of the Principal

ature of the Lecturer

GOVT. DEGREE COLLEGE, RAJAMPET, KADAPA DISTRICT

Annual Curricular Plan (Lecturer wise):2023-24

5.00 ۲ Signature of the Lecturer Name of the Lecturer: S, Bhaskarrao Academic Year: 2023 – 2024 Class: I Botany major Subject: BOTANYSemester: II Paper: Non vascular plants Month Jan Week Ś + 2+2 avail 3+2 s Hour Syllabus topic 2+0 of Algae. Thallus organization and Algae flagella.reserve Food General Charctesrtics of and Economic importance Life cycle inAlgae.Ecological ture, Pigments. Alge,occurrence Algae, F, E. Fritsch and Lee material, Classification of andDistribution,Cellstruc 8 Activity Conducted **Curricular Activity** Semina Hours allotted conducted alternat Whether よら e date If not, Activity Conducted **Co-curricular Activity** Hours 2 conducted Whether alternate If not, date Remar ks

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GOVT. DEGREE COLLEGE, RAJAMPET, KADAPA DISTRICT

Annual Curricular Plan (Lecturer wise):2023-24-

	Suno					۲
	Month			Ē		
	Week	-	2	W	4	5
	Hour s avail able	1+2	3+2	3+2	3+2	2+2
	Syllabus topic	Occurrence and structure of and Life cycle of Spirogyra.	Occurrence and structure of and Life cycle of Ectocarpus, and vaucheria	Occurrenceand structure of and Life cycleOfpolysiphonia,Abri ef Accountof Bacillariophyceae,	Culture and cultivation of Chlorella, Culture and Cultivation of Chlorella Generalcharact estrics of fungi and Ainsworth Classification.	AinsworthClassification Thallus organition and Nutrition in Fungi,
Additional Addition Provided	/taught					
Curricular Activity	Activity Conducted	JSt Unlernal Examinat		Seminut		Seminus
bivity	Hours allotted	-		-		-
	Whether conducted	ters		54		44
	If not, alternat e date	ų g				
Co-curricular A	Activity Conducted				Quiz	
r Activity	Hours allott ed	. Ş., ,	2 . A.L.	1.1	-	
	Whether conducted	1 U.			20	
Remar ks	If not, alternate date					

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GOVT, DEGREE COLLEGE, RAJAMPET, KADAPA DISTRICT

Annual Curricular Plan (Lecturer wise):2023-24

r					1000	5
			march			Month
L.	•			-		Week
1+0	3+2	2+2	3+0	3+2	s avail able	E.
Occurrence structure andstructure Reproduction of lichen.	Occurrence structure and structure Reproduction and life cycle of penicillium,And Pucchuia.	Occurrence structure and structure Reproduction and life cycle of phytophora	Ecological and economic Importance of Fungl. Occurrence structure and reproduction and Alle cycle of phytophone .	Thallus organization,& Nutritions ungl reprodu ction in fungi,Heterothallism.	al manual rabit	
						Additional Input/ Value Addition Provided / Laught
Ind orbinal Capital		Scenin-1		Semina	Conducted	t/ ht Curricular Activity Co-curr
				-	Hours	ivity
				48	Whether conducted	
				41	lf not, alternat e date	
			group Discuts	1	Activity Conducted	Co-curricular Activity
			¥		Hours allott ed	tivity
			NO		Whether conducted	
		2.24		1.	If not, alternate date	Remar ks

Signature of the Principal

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1	at mail	¥	2+2	3+2	¥Ž	1+0
f	1	Coligial Beconnic Importanze of Uchens	General characturyics of Bryophytec,Stathmake classification.	Occurrence morphology anatomy, reproduction and life cycles of marchaniaAnthocens.	Occurrence morphology anatumy, reproduction life cycles of funaria.	lunaria. General account on evolution of sperophytes in Bryophyte.
vseuconal input/ Value Addition Provided / taught Curricular Activity Co-curri		Seminal		Seminal		Seminal
Curricular Activity	Activity Conducted	-		-		-
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	Whether conducted					
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Co-curricular Activity	Activity Cenducted				Mental Mental program	
cowity	ed Hours				-	
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GOVT. DEGREE COLLEGE, RAJAMPET, KADAPA DISTRICT

Annual Curricular Plan (Lecturer wise):2023-24

Signature of the Lecturer

				ANUAL C		AR PLA	N -202				Semest	ers: 1		
Nan	ne of	the Lee	turer	Dr.B. Adinarayana Year: I YearClass:Botany		Paper:1.	_		Applied		Co -Curricula	a Bertinitha		Remarks
SI.no	Mont	h Wee	k Hou	ar Syllabus /Topic	Addition al Inputs	Activity Conduct ed	Curric Hours Alloted	ular Activity Whether conducted	If ot, Alternate Date			Whether conducte d	if ot, Alternate Date	
-	A	1	-			ec			Dett					-
	G	2	-									Yes		
1 U 5	3	3+2	Syllabus and Single subject pattern explained Unit-1: Eessentials of Microbiology: Applications of Microoganisms in industry, Agriculture, and Environment	PPT	Theory	5	YES		Group Discussion	lhr	tes			
	T	4	3+2	Structure of fung, Archaea, virus and Bacteria Types of immunity-Cotributions of Robert Koch, Jenner, Lister and Pastuer	PPT	Theory	5	YES		Certificate Course in Hydroponics Commences				
	5 E P T E M	1	3+2	Unit-2-Essentials of Biochemistry: Carbohydrates- classification major groups of carbohydrates.	PPT	Theory	5	YES		Assignment		YES		
		2	3+2	Lipids and classification of lipids, Fatty acids-significance of lipids-Amino acids ,	PPT	Theory	5	YES		Field Trip	One Day	Yes	100	
		3	3+2	Proteins ,Nucleic acids-Watson and Crick model of DNA, Basic concept of Metabolism-Catabolism and anabolism	PPT	Theory	5	YES		Seminars		YES		
	B E R	4	3+2	Unit-3-Essentials of Biotechnology : Concept and history of Biotechnology-Applications of Biotechnology-Significance of Transgenic plants and animals	PPT	Theory	5	YES		Quiz		YES		

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Department I/C RAJAMPET (Kadapa DL)

	0	1	3+2	Bioremediation-various types, Biofuels, Biopesticides, Biofertilizers-Restriction Enzymes, gene manipulation	РРТ	Theory	5	YES	Mentor Mentee	1hr	YES	
3	C T	2	3+2	Cloning vectors, Phages, Plasmids, BACs, YACs HACs- Physical gene transfer methods,	PPT	PPT	5	YES				
	O B	3	3+2	I-Term Holidays	PPT	Theory	5	YES				
	R	4		Gene transfer methods- Bt-Cotton-Cloning vctors-salt tolerant Transgenic plants	РРТ	Theory	5	YES	1.12.17			
4 M 8 8	1		Unit-4-Analytical Tools and Techniques in Biology applications:Applications of PCR in Forensics- Applications of Finger printing in forensics-Immune blotting technique-ELISA	РРТ	Theory	5	YES					
	2		Gene therapy -Eugenics Monoclonal antibodies	PPT	Theory	5	YES					
	3		Unit-5-Biostatistics and Bioinformatics:Statistics- Various methods of collecting Data	ррт	Theory	5	YES					
	R	4		Chief sources of secondary data-Various types of Tabulation methods Arthematic average	PPT	Theory	5	YES			- 15	
	D	1		Mean-merits and demerits Median-Limitations, Mode-merits and demerits.	РРТ	Theory	5	YES				
E C E	2		Range- calculation of Range-limitations Probability, Salient features of biological data base	PPT	Theory	5	YES					
	M B	3		NCBI,EBI,Database Gen Bank								
	ER	4										

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Department I/C

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Department of Eduary Department of Eduary Governament Degree College, RAJAMPET (Kadapa DL)

Nan	ne of	f the Le	cturer:	ANNUAL	CURRI	nt of Botan	AN -20	23 - 24		Sem	ester:			
SLna	Mor	nth Wee	k Hours	rear Trear	Class:	Botany (N		Pape	r: 2.20	rigin of life :	and Div	ersity of N	Aicrobe	5
					nal Inputs		Hours	Whether			o -Curricul	ar Activity		Remar
1	J A	1				Conducted	Alloted	conducted	If ot, Alternat e Date	Activity Conducted	Hours Alloted	Whether conducted	lf ot, Alternut	
	N	2	-		-								e Date	
1	UARR	3	3+2	Major Paper-II syllabus Discussion Unit-1: Origin of life and Viruses: Origin of life, concept of primary Abiogenesis; Miller and Urey experiment Pasteur experiments, germ theory of diseases.	РРТ	Theory & Practicals	5	YES	•	Group	1hr	YES	-	
	y	4	3+2	Shape and symmetry of viruses; structure of TMV and Gemini virus, transmission of plant viruses and their control	РРТ	Theory & Practicals	5	YES		Assignment		YES		-
	F	1	3+2	Significance of viruses in vaccine production, bio- pesticides and as cloning vectors. Unit-2: Special groups of Bacteria: General characteristics,	PPT	Theory & Practicals	5	YES		Field Trip	One day	YES		
B R E R V	8	2	3+2	Outline classification and economic importance of following special groups of bacteria: a) Archaebacteria b) Chlamydiae c) Actinomycetes d) Mycoplasma e) Phytoplasma f) Cyanobacteria Culture and cultivation of Spirulina	PPT Bio- Visual Charts	Theory & Practicals	5	YES		Seminars		YES		-
,	1	3 3	2	Unit-3: Eubacteria :Occurrence, distribution and cell structure of eubacteria.Classification of Eubacteria based on nutrition. Reproduction :Conjugation, Transformation. Transduction	PPT	Theory & Practicals	5	YES		Quiz	lhr	YES		+
		4 2+	2 the	onomic importance of Eu-bacteria with reference to ir role in Agriculture and Industry (fermentation and medicine) Unit-4: Soil microbes – interactions Distribution of soil microorganisms in soil.	ррт	Theory & Practicals	5	YES						

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P	2	-											
A	1		REVISION	-		-	-	-			-		1
	4	3+2	Role of Frankia and VAM in soil fertility; Microbial biopesticides: mode of action, factors influencing, target pests; microbial herbicides.	PPT	Theory & Practicals	5	YES						
н	3	3+2	inoculants (Rhizobium, Azotobacter, Azospirillum, Cyanobacteria)	₽₽⊤	Theory & Practicals	5	YES						
A R C	2	3+2	their effect on plant growth.	РРТ	Theory & Practicals	5	YES						
M	1	3+2	Factors influencing the soil microflora- Role of microorganisms in soil fertility; Interactions among microorganisms, mutualism, comensalism, competition, amensalism, parasitism, predation;	PPT	Theory & Practicals	5	YES		Mentor- Mentee	1 hr	YES		

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SIT	no Mon			r: Dr.B. Adinarayana Year: II Year (Syllabus /Topic	Class: B.Sc Addition		26.1	aper: IV :P	lant Phy	ysiology and				
					al Inputs		Hours	Whether conducted	If ot, Alternat	Activity	Alloted	Whether	if of,	-
	1	1			_				e Date	Considents	Amoreta	conducted	Alternat # Date	
	A	2					4	4						
1	N U A R	3	3+	osmosis, water potential, osmotic potential, pressure potential,	ater on, PPT	Theory	5	YES		Group	lhr	YES	-	
	R Y	4	3+2	Mechanism of phloem transport; source-sink relationships.		Theory	5	YES		Certificate Course in Hydroponics Commences		YES		
	F	1	3+2	Unit – 2: Mineral nutrition, Enzymes a Respiration:. Essential macro and micro mineral nutrie and their role in plants; symptoms of mineral deficien Absorption of mineral ions; passive and active process Characteristics, nomenciature and lassification of Enzym Mechanism of enzyme action, enzyme kinetics	ents PPT noy- ises-	Theory	5	YES		Field Trip	One day	YES		
	E R E R	2	3+2	Respiration: Aerobic and anaerobic, Glycolysis, Kreb's cycle Electron transport system photophosphorylation	PPT Bio- Visual Charts	Theory	5	YES		Assignment	-	YES		
	Y	3	3+2	Unit – 3: Photosynthesis and Photorespiration: Photosynthesis: Photosynthetic pigments, absorption and action spectra; Red drop and Emerson enhancement effect- Concept of two photosystems; mechanism of photosynthetic electron transport and evolution of	: PPT	Theory	5	YES		Seminars.	lhe	YES		
		4	2+2	oxygen; photophosphorylation Carbon assimilation pathways (C3,C4 and CAM); Photorespiration - C2 pathway	ррт	Theory	5	YES		Quiz				

Governament Degree College RAJAMPET (Kadapa DL)

	M	1	3+2	plant upids	PPT	Theory	5	YES	Mento	YES		
	R	2	3+2	and a references beta oxidation of fatty acids.	ррт	Theory	5	YES				
3	н	3	3+2	Unit - 5: Plant growth - development and stress physiology: Growth and Development-Definition, Phases and kinetics of growth. Physiological effects of Growth regulators.	РРТ	Theory	5	YES				
		4	3+2	Physiology of Flowering,Seed germination and senescence- Physiological Changes	PPT	Theory	5	YES				
-	A	1		REVISION							4	4
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				ANUALC				23 - 24			Semeste	22		
Nam	e of th	ne Lect	urer:	Dr.B. Adinarayana Year: III Year Class:	B.Sc(BZ	C&BCCS)		Pap	er: VI : C6-	Plant Tiss	ue Cultu	ire	
a.no	Month	Week	Hour	Syllabus /Topic	Addition		and the second se	ular Activity	Local de la companya de la comp		Co Curricul	ar Activity Whether	If ot.	Remarks
			5		al inputs	Activity Conduct ed	Hours Alloted	Whether conducted	If ot, Alternate Date	Activity Conducted	Hours Alloted	conducte d	Alternate Date	
	A	1	10.16											
	U	2	1											-
	G U S T	3	3+3	Unit-1: Basic Concepts of plant tissue Culture: Plant tissue culture: Definition, history, scope and significance.	PPT	Theory	5	YES		Group Discussion	1hr	Yes		
		4	3+3	Totipotency, differentiation, dedifferentiation, and redifferentiation	РРТ	Theory	5	YES		Certificate Course in Hydroponics Commences				-
	s	1	3+3	Role of PGRs in plant tissue culture Different explants for tissue culture	РРТ	Theory	5	YES		Assignment		YES		
	E P	2		Unit-2: Infrastructure, sterilization techniques, culture media: Tissue culture lab design	PPT	Theory	5	YES		Field Trip	One Day	Yes		
	E M B	3		Nutrient media:Composition of commonly used nutrient culture media, Culture medium preparation methods	РРТ	Theory	5	YES		Seminars		YES		-
	E R	4	1	Unit-3: Application of Plant Tissue culture: <i>in vitro</i> propagation : Callus culture, direct and indirect organogenesis soma clonal variations	PPT	Theory	5	YES		Quiz		YES		

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Department I/C Lecturer Incharge Department of Botany Governament Degree College, reclime PET (Kadaoa DL) reclime PET (Kadaoa DL)

	0	1	3+3	Micro propagation, shoot tip culture	PPT	Theory	5	YES		Mentor Mentee	1hr	Yes	-	-
	C T	2	3+3	Somatic embryogenesis and synthetic seeds.	PPT	PPT	5	YES	- 12		12			
	O B	3	3+3	I-Term Holidays	PPT	Theory	5	YES						
	E R	4			PPT	Theory	5	YES			1.11		•	-
	N O V	1		Unit-4: Application of Plant Tissue culture: Plant product formation and gene preservation : Types of <i>in</i> <i>vitro</i> systems for secondary metabolites production	PPT	Theory	5	YES						
£	E M	2		Production of secondary metabolites	PPT	Theory	5	YES						-
	B E R	3	1	Germplasm conservation: cryopreservation methods, slow growth, applications and limitations; cryoprotectants.	PPT	Theory	5	YES						
		4		Unit-5: Application of Plant Tissue culture: Plant gene improvement:	PPT	Theory	5	YES						
	D E C	1		Protoplast isolation, culture and fusion nd hybrids, Plant transformation techniques,	PPT	Theory	5	YES						-
	E M B	2		BT-cotton, BT Mustard and biosafety concerns	PPT	Theory	5	YES					-	
	ER	3	1											
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			A	nnual Curr	icular P	lan :2023	8-2024					III SEMES	STER		
Nam	e of the	Colleg	e: Gov	vt.Degree Co	llege, RA	JAMPET		Name	of t	he Depa	rtment: PC		CIENCE		
							I					Course- I			
Nam	e of the	Lectur	er:S.Sl	UBBA NARAS	SIMHULU	Cle	ass: II B	. A	Yec	ar: 2023-	-24		GOVERNM	ENT AND	
			Hour		Additiona Input/		Curriculo	ar Activi	ity			Co-curricul	ar Activity		
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1															
2															
3	NOV	3 week	5	Unit -1. Social and Ideological Base of the Indian Constitution	IGP	Teaching	5	Yes							
4	2023	4 week	5	Constitutiona I Development in India during British Rule - A Historical Persepective with	IGP	Teaching	4	Yes			Seminar	1			

reference to				
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Commissionerate of Collegiate Education, A.P.,

			An	nual Cu	rriculo	ır I	Plan :2023	3-24						5 th S	EMESTER	2	
Name	of the	Colleg	je: Gov	vt. Degree	Colleg	je ,R	RAJAMPET			Name	of th	e De	epartmer	nt: POLI	TICAL SCIEI	NCE	
Name	of the	Lectur	er: S.S	UBBA NA	RASIM	HUI	LU	c	lass:	III B.A	Yee 24	ar :2	2023-	Course ELE BEHAV	CTORAL PC	DLITICS AN	
Sno	Mont h	Week	Hours availab	110	Additi Inpu Valu Addit Provia /taug	it/ Je tion ded		Curricul	ar Ac	tivity			Co	o-curricul	ar Activity		Remarks
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1		1 week	5	ELECTORA DEMOCRA TURE AND SIGNIFIC	CY,NA	IP T	Teaching	5	У	ves							
2	Sept, 2022	2 week		ELECTION COMMISS OF INDIA GENERAL ELECTION	ION ,1992	IP T	Teaching	4	У	ves							
3		3 week		PUBLIC OPENION VOTING BEHAVIOU ANI NG AI NATURE	JR,ME	IP T		4	У	ves							

	4		Issues in	IP	5	Yes_	 quiz	1	 	
	wee	ek	electoral politics	Т						
4			and management of election							
			commission of India							

			Ŀ	Annual Curric	ular Pla	n :2	023-20	24				V SEMES	TER		
Naı	me of I	the Col	lege: Go	ovt.Degree Coll	ege UG, R	RAJA	MPET	No	ame of t	the Depart	ment: PO		IENCE		
Naı	me of I	he Lec	turer:S.S	UBBA NAARAS	SIMHULU		Class: I	I B.A		Year: 202	3-24	Course- I LEGISLAT PRACTICE	IVE PROC	EDURE A	ND
					Addition al		Cur	ricula	r Activity	/		Co-curriculo	ar Activity		
Sn o	Mont h	Week	Hours availabl e	Syllabus topic	Input/ Value Addition Provided /taught	Conc	•	ours lotte d	Whethe conducto d		Activity Conducte d	Hours allotted	Whether conducte d	If not, alternat e date	Remarks
1	NOV 2023		4	LEGISLATIVE BODIES ,Artcle 107-122,kinds of											

			bills								
2		4	Powers and functions of legislative oprocess,Membe rs of parliament,rural and urban government								
3	3 week	5	Drafting of the bills ,passage of bills ,president of india and gazzet notification	IGP	Teaching	5	Yes	 		 	
4	4 week	5	Legislative committees india ,	IGP	Teaching	4	Yes	 Seminar	1	 	



COMMISSONERATE OF COLLEGIATE EDUCATION,



GOVT. DEGREE COLLEGE RAJAMPET, KADAPA. Dt.

(Affiliated to Yogi Vemana University, Kadapa.)

TEACHING DIARY

ACADEMIC YEAR 2013-2024

Name of the Department: Economics

NAME OF THE LECTURER: V. Mala Tw

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Signature of the Lecturer

11 Earmic Leadler + 550% 9-12 Signature of the Department VC 7 1.1 -2 ١

Signature of the Principal

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Signature of the Lecturer

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Signature of the Department I/C

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F			2	12	6	5	\sim	4	Hours available		
5-1	1987 - 19		Revision	Local Area	Work with FineIncial	Financial	·common service	Correspondents Post	Syllabus / topic		
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Ven-V				٤	د	E.	Internal	Ser	Activity Conducted	C C	al Curri
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SEMISTER CURRICULAR PLAN

Department: PHYSICSClass: III Year B.Sc MPCs.IName of the Lecturer : Dr.L.Raja Mohan Reddy

Paper: VII C

Academic Year : 2023-24

SEM-V

	Month	Hours	Syllabus topic	Additional	С	urricular A	Activity		(Co-Curric	ular Activity		
.0	&	availa		Input/	Activity	Hours	Wheth	If Not,	Activity	Hours	Whether	If Not,	Remarks
S.No	Week	ble		Value		Allotte	er	alternate		Allott	conducted	alternat	ma
01				Addition		d	conduc	date		ed		e date	Re
							ted						
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Aug	3+3	Syllabus, Question paper model		Teaching	3							
1	5 th		Unit-I		Class.								
	week		TypesofelectronicInstruments-Analoginstruments										
					Practical	3							
					Class.								
	C (3+3	DigitalInstruments,DCVoltmeter		Teaching	3							
2	Sept 1 st				Class.								
2	-				Practical	3							
	week				Class.	5							
	Sept	3+3	AC Voltmeter, Construction and working of an		Teaching	3							
	2^{nd}	575	Analog Multimeter		Class.	5							
3	week				Ciubb.								
5	week				Practical	3							
					class.								
4	Sept	3+3	Construction and working of Digital Multimeter,		Teaching	3							
	3^{rd}		Applications of Multimeters, Solving Problems		Class.								
	week												
					Practical	3							
					class.								
5	Sept	3+3	Unit-II		Teaching	3							
	4 th		Cathode Ray Oscilloscope-Introduction, Block		Class.								

SEMISTER CURRICULAR PLAN

Department: PHYSICSClass: III Year B.Sc MPCs.Paper: VII CName of the Lecturer : Dr.L.Raja Mohan Reddy

SEM-V Academic Year : 2023-24

	week		diagram of basic CRO,Cathode ray tube						
				Practical	3				
				class.					
6	Oct	3+3	Electron gun assembly, Screen for CRT, Time base	Teaching	3	ASSIG			
	1 st week		operation, Vertical deflection system, Horizontal	Class.		NMEN T			
			deflection system	Practical	3				
	-			class.					
7	Oct	3+3	Use of CRO for the measurement of	Teaching	3	Mid	1		
	2^{nd}		voltage (AC and DC), frequency, phase	Class.		exam-I			
	week		difference.	Practical	3				
				class.	5				
8	Oct	3+3	Unit-III	Teaching	3.				
0	3 rd	515		Class.	5.	Quiz/	1		
	Week		Classification of transducers, Selection of	C1055.		Debate	1		
			transducers, Resistive, capacitive & inductive	Practical	3				
				class.					
			transducers,						
9	Oct	3+3	Resistiveandcapacitivetouchscreentransducerusedi	Teaching	3				
	4 th		nmobiles,	Class.					
	Week		into ones,						
				Practical	3				
1.0				class.					
10	Nov	3+3	Displacementtransducer-LVDT,	Teaching	3				
	1 st		Piezoelectric transducer.	Class.					
	week			Practical	3				
				class.	3				
				C1888.					

SEMISTER CURRICULAR PLAN

	Departmen Name of the		SICS Class: III Year B.Sc MPCs. arer : Dr.L.Raja Mohan Reddy	Paper: VII C	Acad	SEM-V emic Year : 2023-24		
11	Nov 2 nd week	3+3	Unit-IV Introduction to Display devices, Seven Segment Displays, LED Displays,Construction and operation (Display of numbers)	Teaching Class. Practical class.	3 3	Mid exam-II	1	
12	Nov 3 rd week	3+3	Types of SSDs (Common Anode & Common Cathode type), Limitations of SSDs.	Teaching Class. Practical class.	3 3	Group Discusi on	1	
13	Nov 4 th week	3+3	UNIT-V Basic operating principles and uses of (i) Clinical thermometer (ii) Stethescope (iii) Sphygmomanometer	Teaching Class. Practical class.	3 3	Carrier Guidanc e	1	
14	Dec 1 st week	3+3	(iv) ECG machine (v) Ultrasound scanning (vi)Pulseoxymeter (vii)Glucometer.	Teaching Class. Practical class.	3 3		1	

					ssionerate		late E	ducation	i, A.P.,					
	a na sa			Annual Curricular	Plan :202;	3-24			IV	SEMEST	ER			
Na	me of	the Col	lege: Go	vt. Degree College, RAJAN	IPET	And Patron Management and a	Name	of the De	a manufacture of the second	nt: HISTC				
Na	me of	the Lec	turer: J.R	AVINDRA BABU		Class; II	1		2023-2	4 C	ourse- IISTORY A NDRA (15)		TURE	OF
Sn	Mont				Additional Input/		Curricula	r Activity		1 1 5	o-curricular	and the second s		
o	h	Week	Hours available	Syllabus topic	Value Addition Provided /taught	Activity Conducted	Hours allott ed	Whether conducte d	If not, alternat e date	Activity Conducte		Wheth er conduc	If not, alter nate	Remark
1		1 week	5		IGP	Teaching	5	Yes				ted	date	
2		2 week	4		IGP	Teaching			(
		3 week	5	UNIT -1		reaching	5	Yes						
3	JAN 2024		5	ANDRA THROUGH 16 AND 19 CENTURIES AD EVALUTION OF COMPOSIT CULTURE, THE QUTBSHAHIS OF GOLKONDA	IGP	Teaching	5	Yes		Assignmer	it I			
4		4 week	5	GOLKONDAS QUTBSHAHIS ADMINISTRATION ,SOCIETY,ECONOMY,LITURATURE AND ACHITECTURE,	IGP	Teaching	4	Yes		SeminaR				

(4)		More Parlian		Mnnual Curricular Plan (2		1			II SEN	IESTER		and the second second	
Vam	e of the	Colleg	e: Govt.	Degree College UO, RAJAMP	ET		r	Name of t	he Departi	mont: HIS	TORY	-	4/
			a second s	INDRA BABU		Clas	si II E	B.A	Year: 2024	4-23	Course SCIEN FAST	NCE AND I	HUMAN
					Additional		Curric	sular Activit	ly	(Co-curricu	lar Activity	1
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1					- and the second second	aluti menerala	2 martineers	T Total Martin Total		······			date
2				Second Second									
3	JAN 2024	3 week	5	SCIENCE AND HUMAN PAST UNIT-1 WHAT IS HISTORY, HISTORY A SCIENCE and fact, interpretation relation with other social sciences	IGP	Teaching	5	Yes					
4		4 weck	5	Sources of indian history - archeological and literary sources Unit-2 Hunting gathering to the food production society-palaeolithic	IGP	Teaching	4	4 Yes		Seminar	1	-	

1. Ravindra Baba Signature of the lecture

signature of the department incharge

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Commissionerate of Collegiate Education, A.P.,

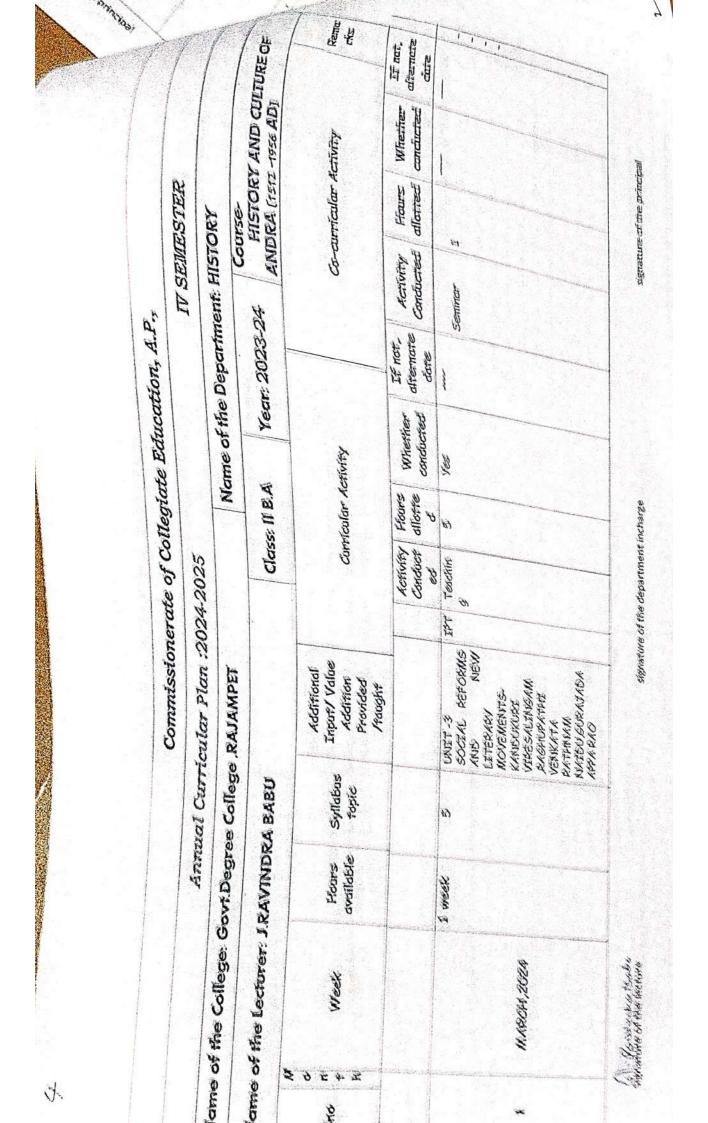
Annual Curricular Plan :2024-25

f the College: Govt. Degree collage .Rajampet

Name of the Department: HISTORY

IV SEMESTER

the Lee	turør: J.F	RAVING	SRA BABU		Class: II	B,A	Yean	2023-2	4 HISTO		-24 ND CULT 2 - 1956 AI		
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					Activity Conducted	Hours allotted	Whether	If not, alternate date	Activity Conducted	Hours alletted	Whether conducted	If not, alternate date	
	1 week	5	ADVENT OF EUROPEAN AND SETTLEMENTS IN ANDRA OCCUPATION OF NORTHERN STRCARS AND CEEDED DISTRICT EARLY REVOLTS AGAINST THE	IGT	Teaching	5	Yes	10	Conducted Yo				
PEB	2 week	4	BRITISH UNIT -2 ANDRA UDER BRITISH RULE - ADMINISTRATION .LAND REVENUE SETLEMENT ,SPCIETY	IGT	Teaching	5	Yes		Observing Hu	uman Right	s Day 10-12	i sin	
2024	3 week	5	EDUCATION RELIGION IMPACT OF INDUSTRIAL REVOLUTION ON ECONOMY CREECENTLY AND FAMINES CONTRIBUTION OF STR THOMOS MONRO AND CP	IGT	Teaching	5	Yes		Assignment	1			
	A week	5	BROWN IMPACT OF 1857 REVOLT IN ANDRA	IGT	Teaching re of the depar	4	Ves		Seminar/Qui	z 1 sij	gnature of th	ne principal	



				Commiss	oner	ate of Coi	legiate	Educatio	n. A.P.					
14		Annı	ial Cur	Ticular Plan	:202	1-22				CENDOR				
the Colle	ege: Go	ovt.Degr	ee Coll	ege ,RAJAMPE	т		Nam	e of the De		SEMEST	ER			
the Lect						Class	II B.A		2023-	Course	: HISTO	RY OF MO TURY AD -	DERN 1945 AD	
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						Activity Conducted	Hours allotte d	Whether conducted	If not, alternate date	Activity Conducted	Hours allotted	Whether conducted	If not alterna date	te
	1 wee	ek		FACISM AND NAZISM,RESULTS		Teaching	5	Yes		-				
IL 2024	2 wee	ek	0	JNO DRGANISATION STRUCTURE FUNCTIONS		Teaching	5	Yes		-		-		
	3 week	k !	5 (JNO CHALENGES	IPT	Teaching	5	Yes						-

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			Commissi	onerate o	of Costle	giate E	ducatio	on, A.P.	,	TTED	the set		
			Commissi		025				IV SEMES	SIER		042, 2039	時期の名誉に
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	1 week	5	UNIT-4 COMMUNIST REVOLUTIN IN RUSSIA	IGT	Teaching	5	Yes						
2024	2 week	4	CAUSES OF FIRST WORLD WAR ,RESULTS ,PARIS PEACE CONFERENCE	IGT	Teaching	5	Yes		CONTRACTOR CONTRACTOR CONTRACTOR	nation Standard Standard		an a	inen Pr
	3 week	5	LEAGUE OF NATIONS CONSTRUCTIONS ,WINS AND FAILURES	IGT	Teaching	5	Yes		Assignment				
	4 week	5	UNIT-5 CAUSES OF SECOND WORLD WAR AND RESULTS	IGT	Teaching	4	Yes		Seminar/Quiz	1			$\begin{split} & \frac{\partial g_{ab}}{\partial t} = \frac{\partial g_{ab}}{\partial t} + \partial g_{$

signature of the department incharge

				Commissi	onerate of	Collegiat	e Educe	ation, A.	Р.,					
				Annual Curricular Plan	:2022-23				III SE	MESTE	R			/
No	ame of	the Col	lege: Go	vt. Degree College, RAJAM	PET		Name	of the De	partmen	t: HISTO	RY			/
Na	me of	the Lec	turer: J.R	AVINDRA BABU		Class: II	B.A	Year: :	2022-23	w w		TORY OF		
					Additional		Curricula	Activity		C	o-curricu	lar Activity		R
in D	Mont h	Week	Hours available	Syllabus topic	Input/ Value Addition Provided /taught	Activity Conducted	Hours allott ed	Whether conducte d	If not, alternat e date	Activity Conducte		tt conduc	not,	e m ar ks
		1 week	4	UNIT-2 CAUSES OF THE AMERICAN REVOTION 1776 RESULTS	IGP	Teaching	5	Yes						
2	FEB 2024	2 week	4	1789 FRENCH REVOLUTION CAUSES ,COURSE AND RESULTS	IGP	Teaching	5	Yes		 				-
3		3 week	5	UNIT-3 UNIFICATION OF ITALY	IGP	Teaching	5	Yes	- Bee	Assignme	nt 1		1	
4		4 week	5	UNIFICATION OF GERMENY	IGP	Teaching	4	Yes		Semina/	quize			

A. Rawinshartsebu Signature of the lecture

signature of the department incharge

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				Annual Curricular Plan		;4		Mam	o of th	ne Depart	ment:HIS	TORY			én (
Na	me of	the Col	lege: G	ovt.Degree College UG, RAJAI	MPET			Nam		le Dopai		Course	9- V		
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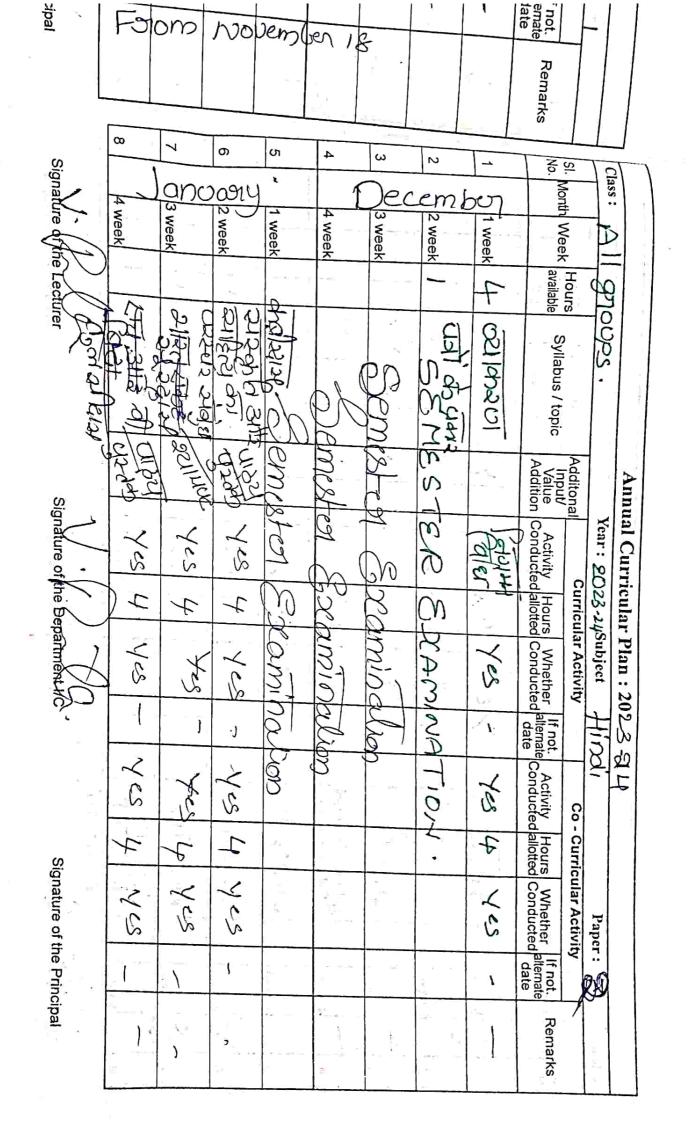
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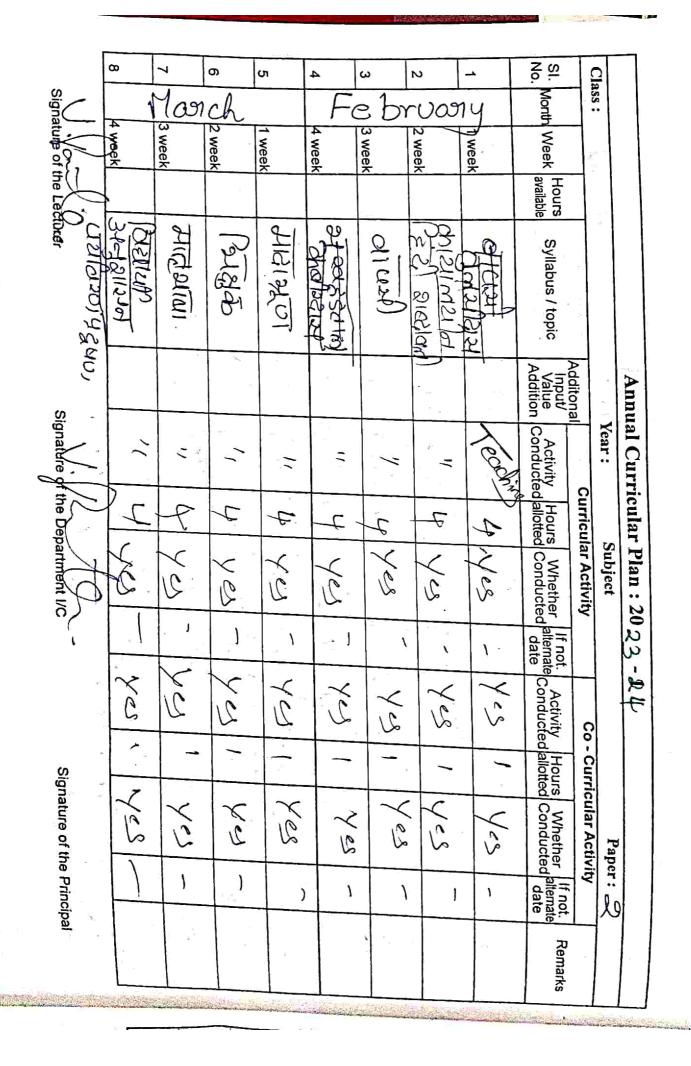
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٩. Signature of the Lecturer

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Signature of the Principal

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Signature of the Department I/C

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					Annu	al Currie	cular	Plan : 20	1.000	16				
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7	205	3 week	5	25- 6405-24		40)	9	yes	(-		8253×5		
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G		201			Annu	al Curric	ular]	Plan : 20	-	1			-	
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P Press A Signature of the Principal

				Annual Curricula	r Plan : 2023-2	24		Name o	of the lectu	r er: P.Naresh	Behea			
		Cla	ss: Bsc MP	Cs,MSCs,BCCs	Year: II	Sem: III	Subject	: Computer	Science	Paper: Dat	abase Mar	nagement sys	tem	
							Curricula	ar activity			Co-curric	ular activity		
Sl. No.	Month	Week	Hours Available	Syllabus/Topic	Additional Input/Value Addition	Activity Conducted	Hours Allotted	Whether Conducted	lf not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	lf not Alternate Date	Remarks
1		l week	2	Introduction to data, information										
2	August	ll week	4	file-based system, Database approach	file systems	Assignment	1	yes						
3	. ∢	III week	4	Classification of DBMS, Various Data Models,										
4		IV week	5	Components of DBMS										
5		I week	5	the building blocks of an ER diagram,		online quiz	1	yes						
6	e	ll week	3	classification of entity sets,attribute and relationship										
7	September	III week	6	reducing ER diagram to tablesEER model										
8		IV week	5	relational data model,concept of key, relational integrity		seminar	1	yes						

P.N.Behon Signature of the Lecturer

				Annual Curricula	ar Plan : 2023	-24		Name o	f the lectur	er: P.Naresh	Behea			
		Cla	ss: Bsc MP	Cs,MSCs,BCCs	Year: II	Sem: III	Subject:	Computer S	Science	Paper: Data	abase Mar	nagement sys	stem	
					Additional		Curricula	activity			Co-curric	ular activity		
Sl. No.	Month	Week	Hours Available	Syllabus/Topic	Input/Value Addition	Activity Conducted	Hours Allotted	Whether Conducted	lf not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	lf not Alternate Date	Remarks
9		l week	6	relational algebra, relational calculus	sets	Assignments	1	yes						
10	October	ll week	4	Functional dependencies and normal forms		Exercise on Normalization	1	yes						
11	ŏ	III week	4	Commands in SQL, Data Types in SQL	oracle database									
12		IV week	6	Data Definition Language,Data Manipulation Language		seminar	1	yes		SQL Query Writing	1	yes		
13		l week	6	Selection Operation, Projection Operation, Aggregate functions	cartisian product									
14	November	II week	4	Join Operation, Set Operations										
15	Z	III week	6	View, Sub Query										
16		IV week	6	Structure of PL/SQL, PL/SQL Language Elements		online quiz	1	yes						

P.N.Behon

				Annual Curricula	r Plan : 2023-2	24		Name o	of the lectu	r er: P.Naresh	Behea			
		Cla	ss: Bsc MP	Cs,MSCs,BCCs	Year: II	Sem: III	Subject	: Computer	Science	Paper: Dat	abase Mar	agement sys	stem	
					Additional		Curricula	r activity			Co-curricu	ular activity		
SI. No.	Month	Week	Hours Available	Syllabus/Topic	Input/Value Addition	Activity Conducted	Hours Allotted	Whether Conducted	lf not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	lf not Alternate Date	Remarks
17		l week	6	Operators Precedence, Control Structure										
18	December	ll week	4	Procedure, Function						Peer Review of PL/SQL code	1	yes		
19		III week	6	Database Triggers, Types of Triggers		Assignments	1	yes						
20		IV week		Sem-end Exam										

P.N.Behen

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				Annual Curricula	ar Plan : 2023	-24		Name	of the lectu	Irer: P.Naresh	Behea			
		Class:	Bsc MPCs,	MSCs,BCCs	Year: III	Sem: V	Subject: C	omputer Scie	ence P	aper: Web Int	erface Des	signing Techr	ologies	
							Curricula	ar activity			Co-curricu	lar activity		
Sl. No.	Month	Week	Hours Available	Syllabus/Topic	Additional Input/Value Addition	Activity Conducted	Hours Allotted	Whether Conducted	lf not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	lf not Alternate Date	Remarks
1		l week	2	Introduction to web designing	Websites									
2		ll week	4	introduction to HTML		qnline quiz	1	yes						
3	August	III week	4	HTML formatting										
4		IV week	5	images, tables, lists						comperative study on Web servers	1	yes		
5	5	l week	5	HTML CSS, HTML frames		assignments	1	yes						
6	September	ll week	3	HTML forms	login forms									
7	Sep	III week	6	HTML media										
8		IV week	5	HTML API'S		seminars	1	yes						

P.N. Beher

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				Annual Curricula	r Plan : 2023-2	24		Name o	of the lectu	rer: P.Naresh	n Behea			
		Class:	Bsc MPCs,	MSCs,BCCs	Year: III	Sem: V S	ubject: Co	omputer Scie	nce Pa	per: Web Int	erface Des	signing Techr	nologies	
					Additional		Curricul	ar activity			Co-curric	ular activity		
Sl. No.	Month	Week	Hours Available	Syllabus/Topic	Input/Value Addition	Activity Conducted	Hours Allotted	Whether Conducted	lf not Alternate Date	Activity Conducted	Hours Allotted	Whether Conducted	lf not Alternate Date	Remarks
9		l week	6	CSS			1	yes						
10	-	ll week	4	Introduction to JavaScript			1	yes						
11	October	III week	4	string manipulations, mathematical functions										
12	-	IV week	6	operators, arrays			1	yes		SQL Query Writing	1	yes		
13	5	l week	6	functions. Objects in JavaScript										
14	November	ll week	4	regular expressions,										
15	No No	III week	6	exception handling										
16		IV week	6				1	yes						

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				Annual Curricula	r Plan : 2023-2	24		Name o	of the lect	urer: P.Naresh	Behea			
		Class:	Bsc MPCs,	MSCs,BCCs	Year: III	Sem: V S	ubject: Co	omputer Scie	nce F	Paper: Web Int	erface Des	signing Techr	nologies	
					Additional		Curricul	ar activity			Co-curricu	ular activity		
Sl. No.	Month	Week	Hours Available	Syllabus/Topic	Input/Value Addition	Activity Conducted	Hours Allotted	Whether Conducted	lf not Alternate Date	e Activity Conducted	Hours Allotted	Whether Conducted	lf not Alternate Date	Remarks
17		l week	6	Introduction to word press										
18	December	ll week	4	understanding admin panel, working with posts and pages						Peer Review of PL/SQL code	1	yes		
19		III week	6	Working with themes			1	yes						
20		IV week		Sem-end Exam										

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				Annual Curricular P	Plan : 2023-24		Name of	the lectu	rer: P.Nares	n Behea				
			Class:	BSc Computer Science Hon	s. Year: I	Sem: II Su	oject: Compu	ter Scienc	e Pape	r: Problem so	olving usi	ng C		
							Curricular ac	tivity		c	o-curricula	activity		
SI. No.	Month	Week	Hours Availa ble	Syllabus/Topic	Additional Input/Value Addition	Activity Conducted	Hours Allotted	Wheth er Conduc ted	lf not Alternate Date	Activity Conducted	Hours Allotte d	Wheth er Conduc ted	If not Altern ate Date	Remar ks
1		I week	5	Basic block diagram and functions of various components of computer		Drawing the block diagram of computer	1	Yes						
2	January	ll week	4	Concepts of Hardware and software						Identify the hardware devices in the campus	1	Yes		
3		III week	3	Compiler and interpreter	Compilation and execution of C Program									
4		IV week	5	Flowcharts and Algorithms	Time complexity and space complexity	Assignment on algorithms and flowchart	1	Yes						
5		I week	5	History & Features of C										
6	ary	II week	3	C Tokens-variables and keywords and identifiers										
7	February	III week	5	constants and Data types	Debugging techniques									
8	1	IV week	5	Operators	Calculate Simple and Compound interest									

P.N.Behen

Signature of the department I/c

				Annual Curricular Pl	an : 2023-24		Name of t	he lectu	r er: P.Naresh	Behea				
			Class:	BSc Computer Science Hons	. Year: I	Sem: II Su	bject: Comput	er Scienc	e Paper	: Problem sc	lving usir	ng C		
			Hour				Curricular ac	tivity		Co-	curricula	r activity	,	
SI. No	Month	Week	s Avail able	Syllabus/Topic	Additional Input/Value Addition	Activity Conducted	Hours Allotted	Whet her Cond ucted	lf not Alternate Date	Activity Conducte d	Hours Allott ed	Whet her Cond ucted	If not Alter nate Date	Rem arks
9		l week	3	Input /output statements in C										
10		ll week	5	Decision making statements	Ternary operator									
11	March	III week	5	control statements	Fibonacci series & Armstrong number	Assignment on loops	1	Yes						
12	•	IV week	3	Jump Control statements										
13		l week	5	Arrays	Matrix addition & multiplication									
14	April	ll week	5	Strings		Student seminars	1	Yes						
15	Ā	III week	5	Functions										
16		IV week	3	Storage classes										

P.N. Beher

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				Annual Curricular Pla	n : 2023-24		Name of t	the lectu	r er: P.Naresh	Behea				
			Class:	BSc Computer Science Hons.	Year: I	Sem: II Su	bject: Comput	er Scienc	e Paper	: Problem so	lving usir	ng C		
			Hour				Curricular ac	tivity		Co-	curricula	r activity		
SI. No	Month	Week	s Avail able	Syllabus/Topic	Additional Input/Value Addition	Activity Conducted	Hours Allotted	Whet her Cond ucted	lf not Alternate Date	Activity Conducte d	Hours Allott ed	Whet her Cond ucted	If not Alter nate Date	Rem arks
17		l week	5	Pointers										
18	May	ll week	4	Dynamic Memory Management		Student seminars	1	Yes						
19	Σ	lll week	3	Structures & Unions										
20		IV week		Sem-end Exam										

P.N.Behen

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