

# Andhra Christian College, Guntur

Affiliated to Acharya Nagarjuna University Sambasivapet main road, Guntur -522001, A. P.

E mail: accollegeguntur@ymail.com website: www.accollegeguntur.com

Criterion: I

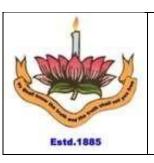
**Metric: 1.1.1** 



# **Criterion 1 – Curriculum Planning & Implementation**

1.1.1 The Institution Ensures Effective Curriculum Planning and Delivery Through a Well-planned and Documented Process Including Academic Calendar and Conduct of Continuous Internal Assessment.

**ACADEMIC PLANS** 



## Andhra Christian College, Guntur

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Criterion: 1

Metric: 1.1.1



# **ACADEMIC PLAN**

**Chemistry** 

2022-23

Academic Plan Year: 1022-2023 Semester: 111 Department: CHEMISTRY Te teacher: DV N. J. SOLO MON BARU. Teaching Objective: (1) To Understand principles and Applications of Holento Spectroscopy

Exectroscopy

Electronic and NMR Spectroscopy

(3) To apply & or, visible, IR Spectroscopies to organismolecular

Sr. No.	Hours	Topics	Teaching Method	Learning Outcome	Assessment
1	2/1/2	Moternar Spectros	gry Lecture	know the inter- action of life	gan
2	2hs	Rotational Spectro	Lectur	Resolution rule	021
		· / ·		and to deter	
3.	4hm	Vibrational Sector		for leads Understand the Larman	Q20
		,		1 auharman Stitleto, Wibritiak of	_
4. 3	thy	Electrone Spectors	Lector.	Rollyator moles Know the Types of	0-1
				Transites Effect of Conjugation	

ANDHRA CHRISTIA: COLI (Day, Evening & r.G)
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Year: 2022 to 23 semester: III Department: CHETIISTRY.

Name of the teacher: Dy. TI. KUSUMA KUMAR!

Teaching Objective: End of the Course student will be able to:

1. understand preps prop of Lalogen comproxygenated

functional group emphas.

2. use the Synthetic Cheistry to Chausfour function

groups.

3. Propose probable hechaisms for any selevant

reactions.

Sr. No.	Hours allotted	Topics	Teaching Method	Learning Outcome	Assessment
1.	6 W.	Halogenated Corapounds.	Cecline	Dre proposion J. Halogon Compran	del Q.A
۷.	6h.	Alcohols & Phenols.		Companda learn the hechanist of various reaction	
3.	low-	Carbony/Comps.		reaction Knowsabi	
4.	124.	Carboxylic Aud delibbis		Know the reactions of Jard our Roughonds	Ø . A

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(Day, Evening & P.G)
GUNTUR

Academic Plan

Year: 20)2-23 Semester: V, 6C Department: CHEN

Name of the teacher: Dr. M. Kusuma Kumari.

Teaching Objective: Students will be able to Department: CHEHISTRY.

1. Explain the Lancyacture of Pulp spaper.
3. Explain the Lancyacture of Pulp spaper.

Sr. No.	Hours allotted	Topics	Teaching Method	Learning Outcome	Assessment
1.	loh	Fertilizers	Lecture	Able to apply the Knowled	G.A.
2.	8 W.	Sugarchist	Lectur		A Q. A-
3.	loh.	Paperel sty	Lecture	student able to	gart Selvina
				hors paper	fach

### Academic Plan

Department: CAEMISTRY Year: 2022-2023 Semester: (V

the teacher. Ay N T-SOLOMON BABU

1. To Charling the Satis concepts of the variety returned veries State

2. To four hours with Batis concepts of the variety returned veries State

2. To four hours with Hetero cycle compounds

3. To four hours about the ford cycle compounds

1. To Know about Electral conductance of apprices and Empt

1. To Know about Electral conductance of apprices and betters of calification in the Kinches of 0,192 and a matrix on better of calification in the Kinches of 0,192 and a matrix on better of calification in the Kinches of 0,192 and a matrix on better of calification in the Kinches of 0,192 and a matrix on better of calification in the kinches of 0,192 and a matrix on better of calification in the kinches of 0,192 and a matrix on better of calification in the c Teaching Objective: Popul TV

Sr. No.	Hours allotted	Topics	Teaching Method	Outcome Rnal Propers 9	Assessment
1	7	Heterreyche	Leiten	furthe terren,	0-1
J	5	Ph mucho wily	Lacher	changed heart	800
3	12	Thormodynamics	La Anne	Know Isto 200 Know Isto 200 Know I Learn Shall E, H, S, H,	Assgrand
/	141	Electechemisty	Letre	Form ant conductance.	O. A
>	14	chames kinds	Leeden	Donne Di,	2 92 2
				a dEffect &	e
ı					

ANDHRA CHRIST: COLLEGE (Day, Evening

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ia chi

Academic Plan Year: 2022-23 Semester: II, P-II Department: Chemistary Y. DURGIA PRASAD Name of the teacher: Teaching Objective: 1 I BSc, Sem-II, P-II (organic & general chemistry) Of learnabout accompanies and their characteristics, concept of aromaticity tucked in rule structure of benzene - VB and MO theories, ordentation effect in benzene - 0, p and m - directions arrever I a directions arrever I and many ordentations are superior of the structure arrever. directing generals. E. S. seactions of be more - Mich of nitration, salphonation, hadegenation, alkylation, acylation, interm about physical and chemical adosption Languers adsorption interm, application of adosption. Colloids - properties is meaning.

3) To learn about elements of symmetry, often a sterior isomeonym.

3) To learn about elements of symmetry, often a sterior isomeonym. Assessment Teaching Hours Sr. No. Topics Outcome Method allotted Students are studency, aware of a 2 A, concept of a 2 A, Benzene and its reactivity ID Surface Chemistry hecture students -Adsorption & studied above Colloids. "in thems, adoption; & & A, isotherms, assignments StereoChemistry Lecture Elements. Elements of symmetry Chinality, tentance acid assignment, 2,3 dishamopentana, RS and E. Configuration,

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(Day, Emning & P.G)

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Year 2022 - 2023 Semester III Department CHEMISTRY

The teacher DV N. J. SOZOMON BARD

Teaching Objective:

Sr. No.	Hours allotted	Topics	Teaching Method	Learning Outcome	Assessment
5	6 h x	NMR Spectroscy	Lectur	khu the ephicality of the ephicality of the ephicality of the ephical stage of the ephical st	Qes.
6.	8hx	Applications of Greenscap of Druple molecules	Lecten	Apply 4/2, US, IR Spectra to Dimple Organiz Conneals	Quiz

PRINCIPAL ANDHRA CHRISTI COLL (Day, Evening R.G) GUNTON

ANDHRA CHRISTIAN COLLEGE, GUNTUR Academic Plan Year: 2022-23 semester: IV, P-IV Department Chemistry Name of the teacher: Y. DURGA PRASAD Teaching Objective: I Box, Sem-IV, P-IV (30 hrs)

1) To learnabout Det, classification, preparation of DMCs.

Metal Carleonyls: perep, stancture, 18-electure suite, Syneogetic effects, Mo diagram of CD. sometime, 18-election of tenchines of 2) To learn about det classification of carleshydrates. Sanctures of glucose 2 functose (detailed study), interconversions in monosculois. 3) Prep and prop of interships con bonds, Tautomerism, Net reaction, Warning traction, Net reaction, Proposition and reactions of animes. Basic notive gamines - Comparting study, Prepand uses of diagonium solts Teaching Learning Sr. No. Topics allotted Outcome Method hecture students are & & A aware of types by graments can bornels. 18 electron rule Organometallic Compounds. Synergitic Carloshydrates hecture closes cation & and A, of cashes hydrates of ments sometures of ghouse & Intercorression & A Nitrohydoranbons becture prepared Assignments
Amines becture classifications 2 A 3 Lecture classifications & A 4 tosignments. Lepyration by students

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of any 30 nums with are frances, to students.

Academic Plan

Year: 202	22-2	3 Semester: V P-VII	Department:	Chemis	tory.	
	1	1 1 1 1 1 1 1 1 1 1	C11)			2)
				rid Chen	uslong -	2),
1) To dom-	nabout	BSc, S-V, P-VIIC dy, classification polymeryation.	methods of	1 prigame	pryme	~> ,
Dign	er of	polymeensation, of mechanism of mechanism of monic polymeensation of polymeensation polymeensation pallution, govern pallution, govern pallution, govern pallution, govern pallution, govern waste manageme	note meni	nation - Ade	lition - brea	radico
2) 10 les	araba	nt mechanism of	A Conde	mation 1201	lymerina	tion,
Copy	Idian t	mone polymena	wan, NO	atalusti.	yampacto	20 m
Som	e imp.	plymers.	1 - 11	A many det	oletron, a aid	laam,
3) photo	che in	an pallution, govern	Lain Della	nen: The M	Kalinity. Do	tofcl,
4) Amal	to wich	water Total handnes	S, COD, BOD	POTIES	,	1
5) Indu	instrum	waste manageme	Tooching	Learning	Assessment	
Sr. No.	Hours	Topics	Teaching Method	Outcome	Аззезэ	
	allotted		1 4	Dep and A	a of	
1	10	organic Polymers	Lecture	closing call	Assignment	1
		)—I		1	Harry Miner	D -
				are studied		
				well.		
				Students me		
2	10	organic Polymer	5 V	amare of	e 2 A	,
2	10	organic Polymen	Ī,	of addition	Ausignmen	nto
				& Coordina Pelymens Manustactura		
				Manytaction	alim.	
	01	Ain Pollution	))	PMMA etc	ne,	
3	8	110 10 wow		Students one	1	
				quare of	DRA	
				badeby it	Assignm	enti
	10	Amalysis of	3.7	ment	8 4	
4	10	11-00	)/	Pretentants	5	
		wiles		Analysis of		
				handres of		i
	10	Industrial	A 10	BOD, DO, C	LODAA	
5	12	Industrial Waste Manageme	nt. "	Managrem	ent Assign.	mento
		0		of manistra	al	
			a	waste waste		

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GUNTUR

### Academic Plan

Year: 2018 to 2013 Semester: IV Pupor V Department: CHERISTRY. Name of the teacher: Dy. H. Kusuma Kemari. regetal field stabilizations energy.

2. To know how reactions SN, SN, SN, Seaching heen take place.

3. Apply Knowledge of effect of physical conditions

on the reaction equillibrium

Sr No	Hours Ilotted	Topics	Teaching Method	Outcome .	Assessment
1.	124	coordinations Chemistry.	Lective	understord the splither	Q . A .
	, h.	Juozgani cheach Juchanism v stability			Loctures
გ. 	e h	Bio in organic Christry.	1 oction	Apply the	
4 81	h.	Phase rule		buits.  Learn The effects of various	

### Academic Plan

Name of the teacher: Dr. M. Kusuma Kuma RI.

Teaching Objective: I. understand differt behaviour of organic.

2. Fortunate the hechaisms of org. reactions

3. Learn org. react Substitution, E. Addition, E.A. Substitution, E.A. Substitution,

1. 12 b. Alkanes & cechno the prop. Q. I of seg. coap.  2. 12 h. Alkanes & Lecture Formulate Thechanisms On Jos. Mechanisms On Jos. Mechanisms Chaired Chaired.
Jos. Mechania
3. 6 h. Chei cal Bondy Lecture learn about
3. 6 h. Cheical Bondy Lecture learn about Cheical Rondings Sen Hylkidish

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(Day, Evening %

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reaching Objective: I Bsc, S-T, P-I (Inorganic & Physical Chemistry)

No leaves about elements of immetry crystal bothic, unit cell Law of constancy of interfacial angles, Bragg's egg, det. of crystal atancture by their pender mettrod, various crystal defect.

2) To strictly various crystal defect.

2) To strictly various down breaks eggs of state low of consesopounding states, relation altered testiments, of c, Vc and a and b. I reflect. Liquipaction of garses, inversion temperature, compared to the constanct of the constanct

	Hours	Topics	Teaching Method	Outcome	7.00	
Sr. No.	allotted	Solid State	Lecture	of constal	Assignment	ō ^
				stancture Bragg's eq Defacts in Crystals	170	
2_	6	GaseonsState	- 17	Derivations Vander was egm, relati between Te, Pe, Ve and a, 6,	on Assignme	roots
3	6	Solutions	14	liguifacti gases. Azeotropi misture CST and	c DRA	ents
4	7	Di lute Solutio	- mg 11	Steam dis Nemot a Colligation	tillation hotalorium	nents
3				collegation		

ANDHRA CHRISTIAN COLLEGE (Day, Evening & P.G)

# **Academic Plan Economics 2022-23**

ea	cho	of the teacher: DA. N. MARTHA DRUBURA.  If the teacher: to create an enderstand  to the thudents.		1	ASSESSMENT
-	_		Heland	Dutcomo	AMERICA
	12	Economic Development as a beanch of study of Economicor scepe and imprisence - bistinctions between Economic bouch and Economic bouclepment bent - measures of Economic bouclepment and their limitations - those core values of economic development: subtainability octom and feedom - Economy and Environment: concept of subtainable development and inclusive growth.		helpi underskant the concepts of growth a newslop- oneut.	Geod
2	10	Characlisatore of Underdendoped countries - world bank & IMF classification of Countries - Obelacies to economic dendopment. Factore of Economic Gradh: Economic + Non-Economic-Capital Formation - Foreign & Domestic Capital, Debt & Investment.	и	holts undersland would economies	ecol
	10	classical facely-Adam Emith Ricardo and Malthus-Musian Theory, Rostows Stages - of Economic Growth - thouad- Domas too sector model - poblinsons Golden Age.	"	helps under stand deffi- ent frecise of Epoxoth	
4.	8	Strategies of Economic Development- Bag part - Balarred Growth - Unbalanced Growth - Capital Interview Technology - Vs Labour Interview Technology - Pole of Infragrature in Economic Development	ij	helps undustant newelopsness whitevoes	t
5	10	Role of State in Economic best- public ecotorie Padrate ecotoi- Economic Federalism-Fonancial Pretotictions and Economic Development- Role of orthand orthandown- 18RD, ADB, IMF- FOREIGN Boods-Fils and FOIS.	lit.	helpe under eland thero of furance onerstudion	e seed.

# ANDHRA CHALCTIANCOLLEGE, GUNTOR ACADEMIC PLAN.

SEMESTER: IV hr:2002-23

regarthout Economoco.

Teaching objectione: to cocate an undustanding about the statistical skills in

		the Huttines		1 Learn Eng	Assessment
SI. 1	Homes	Topice	Method Method	outcome	+
No.	Allottel 8	onbodiection to Statistice - Dofonetion, ecope + emp 4 emperance of statistice - Parmos and Secondary dates cereus + Parmos and Secondary dates cereus + Sampling technologues and their ments + demonstr	denomina tico oneman	undurkarde	
2.	10	collection of daler - schedule and questionnaire - Frequency dissibilition troulation - diagram & graphic presentation of dala. Hectogram, Frequency polygon Cumulatione Frequency curves - Rose program & ple Diagram.		helps is undustanding sofferent concepts 8 graphs.	3 400
3	15	measures of Central tendancy of Degreeson Types of Accerages - Akothandric Mean, Geometric Mean, Harmonic Mean, - median, snade - Degreeson Range, Quartile terreation, Mean Deviation, Standard Deviation - Confederation of consideration -	denomina fron method	auciagace	
(P)	15	Correlation + Regieveson - Meaning, Definition of uses of Colorelation - Types of Consideration, Consideration, Confederation - trail pearson's Consideration - Confederation - Epearman's Frank Consideration - Programmes - equations - utility of negrossion analysis.	1)	helpe in undustable e proslation	
5.	12	Time Seiser of Index Numbers: Deposition Time Seiser of Index Numbers: Deposition of components of Time Seiser - Measurement of some seiser - Moving Accordage and of some seiser - Moving Accordage and the Reart Square Method, Index Numbers, Concepts of prober of Quantity Rolations Concepts of prober of Quantity Iteal Laspeyer's, Paarchée and Fichers Iteal Index Numbers - User of Limitations of ordex Mumbers.		endentaidie tome Series & Soder numbers.	Seed
		notes !	r	Mell ( De. N.M. Moure	ena

# **Academic Plan Economics 2021-22**

# ANDHRA CHRISTIAN COLLEGE, GUNTUR

Academic Plan

Year: 2021-22 Semester: Department: Economico.

Name of the teacher: Dos . N . M . Moudula .

Teaching Objective: to capate an renductured ong about micro-economic

cheonee.

Sr. No.	Hours allotted	Topics	Teaching Method	Learning Outcome	Assessment
t,	10	meaning & deposition of B.E. Nature & Score of B.E. Micro & macro Ecos - Difference, Cardinal a occional adolity.	lecture method	gains knowledge of Business Edonomice concep	gead.
2.	15	bemand analysis - means to defoultion of REd' Types of REd' Functions law of dd, dd curve, exceptions.	ų	then on Blood-softy? demand   typ	
8,	8	Meaning deforition of Proce Pd. Types of E. Meaning of E. old.	ч	Exiche Knowle on proce Ed types to one	
۵.	10	classefication of costs Total, average, marginal revenue, marginal cost cost furction - Longrup op short surs.	v	grine ede on classific of cooks.	a and
5.	lo	types of cook-fix ed cost - Sensi varable cost cost behaviour, seeak even analytistures of longitations.	d	gache ed on types cook, 7 break er	and.

Year: 2021-22

Academic Plan Agricultural
Semester: VI Department: ECONOMECS.

Name of the teacher: The N. M. Moudula .

Teaching Objective: alms to cerestize students on agricultural Econombie.

Sr. No.	Hours allotted	Topics	Teaching Method	Learning Outcome	Assessment
1	10	Notture 4 ecops of agl eccs, factor effective agi dert, technological, enettruboral 7 general Enlardependent dutwars ag & Endurson.	becture suched,		good.
2.	10	concept of pla for grant to form paradecerson	ш	Knowledge of selation	arad
3.	12_	Social a pathenty acode Social Agreed repent Social Agreed repent	,	definer support & output.	dear
4.	13	Sylling of Jason productory with spl relation to oxternay New all shakeny of green revolution a	v	dent See	good ,
5		the Sopract.  Emerging Erends in  product processing,  marketing & regulation  relating to maroth  enter with epergit  represent in agricing	4	Relationship ag with ordusts	9000

# **Academic Plan Mathematics 2021-22**

### ANDHRA CHRISTIAN COLLEGE, GUNTUR

### Academic Plan

Year: 2021-22

Semester: IV (Pourse-IV) Department: mathematics

Name of the teacher: DY - B - VIJAYA KUMAR

Teaching Objective: After completion of the course student can understand Real number system, the concepts in real sequences, Infinite Series, Limits and continuity, Differentiability and Riemann Integrals. Able to solve problems relating to these topic Able to prove the theorems. Able to apply the concepts of differentiability and integrability in physics.

Sr. No.	Hours	Topics	Teaching Method	Learning Outcome	Assessment
01.	12	Real Analysis: Real number Systems & Real Sequences	Black board & Lecturer method	Real Seguences	gliptest, Mid exam, Student Service
02.	12-	Infinite Series	Black board Leeture method	Understand the concept of Series Able to prove their -ems and solve problems	slip Test, mid exam, student semire
03.	12	continuity	Black board decline nethod	understand the contest of limit,	Slip Test, Mid exam, Shedent Suri — mars.
04.	12	Differentiation and mean value theorems	Black beard & Looking Method	Understand the Consept of differentiation and able to prove Rolle's , Lagrange's and Cauchy's mean Value hoom	
05-	12	Riemann Integration	Black board & Locture method	concept of Rieman	sliptest mid exam student seminar

Blumens

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### **Academic Plan**

Year: 2021 - 22

Semester: VI

Department: Mathematica

Name of the teacher:

Teaching Objective: After Completion of the course, the student is able to

(1) Define integral transform, Laplace transform, inverse Laplace

transform

(11) able to understand and solve the problems relating to linearity, multiplication by t, multiplication by to, division by t, division by t, daplace transforms of Bessel function.

(iii) able to prove the theorems relating to birst shifting theorem, second

Shifting theorem, Initial value theorem, final value treaten et c

Hours allotted	Topics	Teaching Method	Learning Outcome	Assessment
12	Laplace Transfams I	Black board Lecture metted	Define Integral Transform, Linearity property existence of LT	Slip tests Intl. Exam Student semin
12.	Laplace Fransforms	22	Prese 1st shifting 2nd shifting thearms, under - Stand and prote	,,
12	Laplace Transforms III	9.3	Initial and Final Value little instrumed L T of integrals multiplication & dlvision by t,	, ,,
12-	Inverse Laplace Transform I	2)	Define inverse LT, Linearity Property, 1st	,,
12	Inverse Lapla & Transfirm II	12	thedems-proselve salve enverse LTs of Derivatives, Inverse LTs of Integrals,	7.7
	12 12·	12 Laplace Transforms I  12 Laplace Transforms II  12 Laplace Transforms III  12 Laplace Transforms III  12 Inverse Laplace Transform I  12 Inverse Laplace Transform I	allotted Topics Method  12 Laplace Transforms I Black board decture method  12. Laplace Transforms III 99  12 Laplace Transforms III 99  12 Inverse Laplace 79  12 Inverse Laplace 99	allotted Topics Method Outcome  12 Laplace Transforms I Black board Transform, Linearity property existence of LT?  12 Laplace Transforms II 99 & 2nd shifting treatment, under stand and prote Initial and final value little and trail value little and the form the trains of the cream the calve and 2nd shifting the cream property 1st and 2nd shifting the cream property of the

# **Academic Plan Chemistry 2020-21**

# ANDHRA CHRISTIAN COLLEGE, GUNTUR

Name of the teacher: D. N. J. Scromon BABU

Teaching Objective: Few chemistry & Betteries B,

1. To know about various conventions a now convention at energy Bources

2. To finitialize with various freezes of the frochemical including by

3. To acquire the knowledge about Lubi Cante and Butteries

3. To acquire the knowledge about Lubi Cante and Butteries

		Method	Outcome	
La Revie	w of energy	Luture	Know about Vairons Octory general	Qe0
		Certure 7	Tunderstand The nature of Source 2013 mg	Quiz
ox fract	le y frous	Locture	Explantie of	SeA.
1 1	cons d	Cetare &	no the Typex	
s Balte	ries d	Δ	equix the aformation bout Batteries	9 o A
			Sout Bellenies	1
	letrose cindu cindu principa dubri	lebrochemical condustry  ox fractions distribute Principle & from d	lebrochemical Lecture schools decture son decture schools decture schools decture schools decture son decture schools decture son decture schools decture scho	Sources Severy Lecture General Sources  Lebrochemical Section of febrochemical Sources 2013mp  in fraction distributed Sources of febrochemical Sources 2013mp  ox Fraction distributed Sources of febrochemical Sources distributed of febrochemical Sources distributed of febrochemical Sources distributed of

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### Academic Plan

Name of the teacher Dr. 71 Kusuma Kumaki.

Teaching Objective: 1. 10 k now the loxic effects of the pollution.

2. To acquire knowledge about pellution.

3. To explain the Bio diversity

4. To lease about F cosystems.

Sr. No.	Hours allotted	Topics	Teaching Method	Learning Outcome	Assessment
1.	94	ENVIRONMENTAL	net Locture	Student able to Iduate to Italian Constitution	t:Cuiz.
2.		Air polluti		Acaine the Knowledge a in pollulips	
3.	9h	water pollul	ion Lecture	Remedil understar or water is	1 8 VA
4.	94	Chical Toxic	colog Lecture	Knowah Ltokic elle	Lanchies.
5.	5h	E co System	Lecture	Explainthe	e Chiz
6.	44	Prio di versi ti		,	
		,		inthe livin	fairs.

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GUNTUR

### Academic Plan

Vear: 2020 - 20 Semester: TV Department: CHEMISTRY

Name of the teacher: Dr. H. KusunA kumAR)

Teaching Objective: @ 70 Know about the & collegation people the Solutions

The di hate Solutions

2. To under stand the Conductions of the Elictrolytes

3. To ender stand phase hale and acquire

the Knowledge to apply for the physical equilibria.

Sr. No.	Hours allotted	Topics	Teaching Method	Learning Outcome	Assessment
1-	10 h.	Di lute Solution	NO LECTURE	Acquire Knowledge about Cally Propertie	gatine
2.	10	Electro Cheist	Ly Coctine	enduster Principle of Conduct	G APA
3.	4h.	E lectro Cho,	La Clare	Know about	- QVA
4.	6h	Phase sule		endretano Physical Equillibrio at diffet	
				Conditions	

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(Day, Ever g & P.G) GUNTUR

### Academic Plan

Year: 21) 20-2021 Semester: V Department: CAEMIETRY Name of the teacher: Dv. N. J. SOLOMON BASO

Teaching Objective: 1 TO Know about formation of complexes, This banking,

nomenclature and spectral, magnetic Properties

2. TO Leaven the Preparatus, Properties and reserve of
organiz Compounds containing or itrogen

3 To Leaven the borness of thermodynamis and various
Atalafanchion and made before the organization
Knowing the fearibity of Porcess

	Compands Compands De And and mag		know the arguiftant of complaxes	9-1
4 has &	Deital and mag	of the	1	
18	speitral and mag perties g mobil compl	Me Levan	renchive fame the magnificant properties	Guiz
			Acquire the Knowledge as	FG = A
3 /4	Ni ho hydrocob.	Lecton	rendersted In	GaA
2/1/5	Nitrogen Comp Nitro, amines	dacture.	11. solut	_
15h +	thermodynau	& Lecture	Balis of the dynamy	no quiz
	3 hs 12 hs	3 hs Nitrogen Comp - Nitrogen Comp - Nitro, amines	2 hrs Nitrogen Comp - Nitro, amines Lecture	Complexes!  She Ni hohydrocorbos dectan mitrocorp

FRINCIPAL ANDHRA CHRISTIAN CO (Day, Evening & P. GUNTUR

Year: 2020-21 Semester: 11 Academic Plan Name of the teacher: Dr N. J SCICOMON BARO

Teaching Objective: 1.70 Know about various compress with different fembrand

9 varpe and objective locachins with different fembrand

2 TO Know about the Baperhus Properties of Hadagen

componds, Hydrony comp, carbayl compan de acid denotes

3: TO Know the assistance of Achore motherline grap
and ale note interpolation of org comp.

Sr. No.	Hours allotted	Topics	Teaching Method	Learning Outcome	Assessmen
1	5 hrs	Halogen comp	Lettere	Understand SN'SN' Mechanin	Qen
2	5 hrs	Hydroxy empor	us dertre	Know the signif	Q · A
	10 kg	Cansony/ Compress	Lecture	identity the linportance of ald chydresa Kefons	Ruiz
6	chus C	Passoyyliz acids wo donivativ	dective	eluderchid	8 - A
4	this f	take methylene impounds	Le otur	Kha he Unique nece	
				gackive metaylor Rempand Re application	GOA

ANDHRA C. ..... AN COLLE (Day, Evening & P.G) GUNTUR

Academic Plan	
Year: 2020 - 201 Semester: 111 Department:	
Name of the teacher: Dr. 71 KUSUMA KUMAR! I LINEK & J DUCK	
Teaching Objective: 1.70 (casu a bout of but	e. w
Name of the teacher: Dr. 71 RUSUANA KUMAR!  Teaching Objective: 1.90 Cearn a bout of block of block of and their pleoparties  and under stand their pleoparties  2. To know the unique mess of Helas and their atrents	↓ -} -
Z 10 King The Many	Stihn
2. To know the ingre ness of Helas and their structure Bondy, a theories is volved and their structure.  3. To know the structure of carbonyls of which by.	Esti
3. To Enderstad the Structure 7	

Sr. No.	Hours allotted	Topics	Teaching Method	Outcome	Assessment
1		Cheristry of a	/	DI OUT	
2		theories of Bon	di Lecture.	Acquire Knowledge Bonding int	the Q VA
3	7	Hetal Carlow,	rls. Lecture	Sious etru	chy Ouiz
4	8	Cheistry 9 block elets	f Lecture	- student know at the lauth	stut Gx+

ANDHRA CHINA COLLEGE (Day, Evening & P.G) GUNTUR

		Academ	ic Plan	CHENICT	PU	
Year: 20	20-2	021 Semester: V Dr. H. KUSUMA	Department:	CHEMIST	1 4 6-10	- His
Name of the	teacher:	02) semester: V Dr. H. KUSUMA I O learn about	-tto &	eaching.	of resair	taipere)
Teaching Obj	ective: f. /	A LOSA CENO		0 7	200 11 W-1	beings.c. wa
1 1	amor	Man with the	7	1 10	and of	
3.16	) acc	in it me recom	1		a hour	da. stiket
l:	gut, o	in the hearth	actions	regaric	Coru por	wind on! T.
4. 700	Explo	in The realth	Q An	-moacid	Det Prese	bei-K. The
5.70	Ident	ifie The Inportant	C 7 - 11	e life of	Haurin	75
Sr. No.	Hours	Topics	Teaching Method	Outcome	Assessment	
-	allotted	- I- 5.//H	1 0 1	Acqu'ne the	B 1 n .	
1	4	Reactivity of Held Com Falexes			GYA.	
					as.	
2.	4	Bioinosganic Chi	& Lecture	of cheicals	in GOVA	
			1/4.2	tiving organi	8nn.	
3	8.	Rheical Kinetic	s Lecture	studenta	Duiz	
	G		to tw	The way	0100	
	-	photo Cherister		I - L L C - K	inchie.	
4	5	photo Cher suy	Lection Sign			LA.
		To alice	221	WYY C IAE - CGI	Chill LARVY	
5	7	Hetero Cyclica	ma to con			A
		-	- 1, A	Peterocycl Compo	wan.	
	8	carbohydrate	o Leclyce	Explain	the O	
6	O	J		3 MULLINE AX	eachin of	A
	0	Duinoacids +	- Loctus	of carbohyo	lealer.	
7				- Du la cary	lifte /	VA.
7/		Proteins.		The in porta	i'ast	
		4110		+ photo	ens.	(

PRINCIPAL ANDHRA CHRISTIAN COLLEGE (Day, Evening & P.G)

### Academic Plan

Year: 2020-21 Department: Chemistry Semester:

Y. DURGA PRASAD Name of the teacher:

Teaching Objective: 1) To learn about properties, the point to a down class of dibrume, bringale selicones phorphonitrue holides, enides, interhologon compounds and previolente years.

2) To learnabout electronic conf, emidation states, maynothe & colors perspenties, catalyte perspenties, complex formationalisting of dilock at ments.

3) To learn electerate coup andatus states, landlande & actimale Contra spectral & maynetic persperties, separation wellness of lunding up the sides in learn various theories of bonding in motals.

Sr. No.	Hours allotted	Topics	Teaching Method	Learning Outcome	Assessmen
1	8	P-block elements	Lecture	student indenstands promodis town	ds,
2	6	d-block elements	Lecture	dilippine, she phospho interli- orndes, inter- consound halogan	teres Connec
3	6	5-block clements		Stydent brokenties of fellock elements Student brokent brokent	
+	4	Theories of bonding in metals	lecture	Student mongalike to acquir	e C
2	6	Gaseons State	becture	metals penti metals like VB, MO (Bandthe of metals. Student understa Van deg atrals og of state redrew s isother	early)

ANDHRA CHRISTIAN COLLECT (Day, Even ng & P.G) GUNIUR

Academic Plan Year: 2020 -2 | Semester: T P-TI Department: Che mistry Name of the teacher: Y. DURGA PRASAD Teaching Objective: Learn and identify many organic reaction mechanisms to Advantic electrophile substitution crientation effects in Colloids - Det, preparation kindle, optical and electrical properties Advantion : Ret, types, Canquir advantation plan interior applications stereochemistry: To learn various mokadar representations, optical iso menium, elements of symmetry enountioners, diasterieopiers.

O. I in tartanic acid, 2, 3 dilromopentaric R, S and E, 2 configurations.

Ra cemic mostures.

Teaching Learning Assessment Teaching Learning Sr. No. Assessment Topics Outcome allotted Method Benzene and its hecturo Q2A mainstend about a communication of Es in paragene orientation of the ct-o, p, m directing groups Assignments Surface Chemister, hecture 2 Shidentrare hiell accare of properties of colleids. yperoxados pplications HSA-B 9 3 Concept of 6RA HISAB was understool 10 of Carlion Lecture Student students a & A.

Eyiticalisments,
enantismen Assignments
diastereomens,
wath examples, 4 che ments of symmeter D.L.; R.S and E.Z. Configurations

PRINCIPAL
ANDHRA CHRISTIAN COLLEGE
(Day, Evening & P.G)
GUNTUR

### Academic Plan

Year: 2020-21

Semester: V

Department: Chemistory

Name of the teacher: Y. DURGA PRASAD

Teaching Objective: A) To know about formation, nomenclature, various theories of landing, geometrical and optical isomerum of coordination complexes.

2) To learn and understand specteral and magnetic properties of metal complexes.

3) To learn about the modernative & kinetic stability, determination of stability—
4) To learn about momenclature, preparation and properties of mindly discarded factors effecting basic nature of aminer, perpenties, separation, basic nature and to the series of learn, understand I, II and III laws of the randy name or Significance in chemical science.

Hours	Topics	Teaching Method	Learning Outcome	Assessment
8	Coordination L.	cture	formation,	Elas room,
4	Specteral and magnetic	ecture	of Complex compounds.	y chapter
	complexes.		types of magne	tausher
3	Stability of metal L	cture	Thermodynamic	Es. Brand A
3			Nomenclature	1
12	Ni terogen Compounds	Lectura	properties in	& 2 A to test the Knowledge
15			separation of aniner work	of the topic
	allotted 8	8 Coordination Compounds  4 Specteral and magnetic I persperties of metal Complexes.  3 Stubility of metal Is complexes.  Nitorohydrocarbons Is  Nitorohydrocarbons Is	8 Coordination tecture Compounds  4 Spectral and magnetic Lecture properties of metal Complexes.  3 Stability of metal Lecture complexes  NitorohyderoCarloms Lecture  12 Niterogen Compounds Lecture	Hours allotted Topics Method Outcome  Statements the statement of method Statements the formation of Compounds  4 Spectral and magnetic Lecture permethods. Steneochemists of Complexes.  3 Stability of metal Lecture of metal complexes.  3 Stability of metal Lecture of metal complexes.  3 Nitorohydero Carloms Lecture of metal complexition of metal compounds.  3 Nitorohydero Carloms Lecture of metal complexition of metal compounds.  12 Nitorohydero Carloms Lecture of metal composition of me

ANDHRA CHRIS (Day, Eve:

GE

Academic Plan

		Acader	nic Plan		
Year: 209	20-21	Semester: VI (P-VII	Bepartment:	Chemister	y
lame of the	e teacher:	4. DUDGA PRA	SAD		
Teaching Ob	jective:	0	E. De	terials of I	ndustrial Importance
1) To ore	miend 1	remotic properties at reporter of and P-	mur 5130 1 1	E, EN, EA Of	8 and p-black clements.
2) To 1	very p	repenties of a and p-	block w. 2	to outlation	states demant.
Van	inalo	at manufacturing f	veceses in	- lines St	Ithing of Cement
3) TO 4	learn	about types, pupara	tion and h	aes of feath	izen like wea,
CAN	Lupes	phosphate, Kosou, (NH	W2 Soyete:	organic for	itilizers to -
4) 10 b	earn de	go etner, me the do, co not composition, types types, steel-process	learning mi	tucks of surf	alex- wer
STALLEY	s - Red	types stor 1- process	es heat tora	toment, types	of stee is their
	Hours	Topics	icaciiiB	Learning Outcome	Assessment
Sr. No.	allotted	100000000000000000000000000000000000000	Method	1 1 1	• • 1
1	8 lps	Recapitulation of	becture	learnt about	- BUAH
		S- and p-block		of sand p	
		- Territy		blockelemen	its.
				Student	Q 2 A
2	15	Silicate Industrie	Lecture	undenstood	Assignments.
				manifacture of fement.	,
				glors Types of glorses are	
				walls Selling	
3	8	Fertilizers	Lecture	Students	102 A.
3	8	setuagers	70 000	types of testil	
				mamu Levilini	2
		Surface cost	besture	The of Land	Q & A
4	8	Surface coating	5		Assignments.
		3		Gleanury &	_
				contraces phin	Thes.
		NP/and	Lecture.	Det Junes	WXH
5	6	Alloys		manifacture	Assignments.
				of steel desul	fluination
				dephosphos estre removal of si lemagnotistis	
			<u> </u>	perpendy per o	2'
			1 10	dusterial use	

ANDHRA CHRISTIAN COLLEGE (Day, Evening & Co.

Academic Plan

Year: 2021 Semester: 1V Department: CHEMISTRY Name of the teacher: Dy. N. V-SOZOMON BARD. Teaching Objective: To Cluderstand the Concept of Absorphin Sportracy To ecclorating the fresence of the bonds as now bonding electron thesentin a molecule suring Electronic appealment and to know the extent of conjugate To analy a the onotacles with the help of the speaker and extending teaching teachers for the contents of the contents of the party of the onotacles in the help of the speaker and extending teaching teachers of the contents of the party of the one of the originals in PMR speaker.

Sr. No.	Hours allotted	Topics	Teaching Method	Learning Outcome	Assessment
1	6	general features	Locker	To know and Tuteradio of Wight > 18=11	QOA
2	8	Electronic Operasion	13 dectan	Whow he working	30-1
3	8	I.R Speelmay	Lecture	tearn types	
4	8	PMR spectrosy	deelen	understand Pro	trigin
				Know the Porce	besupy.
				awfind the	
				2 Splitting	

PIRINCIPAL ANDHRA CHRISTIAN COL (Day, Evening & P.G)
GUNTUR

# **Academic Plan Economics 2020-21**



### ANDHRA CHRISTIAN COLLEGE, GUNTUR

### **Academic Plan**

Semester: []

Department: Economics.

Name of the teacher: Mr. N. M. Moudula.

Teaching Objective: To make the students undustand the Subject.

ir. No.	Hours Ilotted	Topics	Teaching Method	Learning Outcome	Assessment
4.	10	classification of cooks total, average, marginal sevenue, o Marginal cost - cost function, long run and short - run.	secture method.	to learn about various colfs.	
5.	10	Break-Even analysis. Types of costs, fixed cost, semb-variable cost, exactable cost, cost behaviour, breakeven analysis- uses and limitations		to learn about typer of	

Year: 2020-21 Semester: II (I & Lon) Department: Economics.

Name of the teacher: 70

Name of the teacher: Dr. N.M. Moudula

Teaching Objective: To make the Gudents undustand the Rulefeet.

Sr. No.	Hours allotted	Topics	Teaching Method	Learning Outcome	Assessment
1.	2-	reaning & defounds	Lecture mothed		Good
	2	Notice & scope of Bushing Granding	Lecture	undustand	and
	1.	Differences between micro & macro	Lecturo		Bood
	1.	Cardinal & Oddra	L.	Industanding	Gaed
	3.	Demand-types,	method.	lendustanding	ecod
	,	nature of demand	heature method	Undustanding	Good
	1.	of armand cure		- Landy Or Why	dood
	1 200	Reasons for down- would slope no	Leone most of	understanding	eccop.

### Academic Plan

Year: 3020-21

Semester: 11 Department: Economice.

Name of the teacher: Da. N.M. Maudula

Teaching Objective: To make the students undustand the subject.

Sr. No.	Hours allotted	Topics	Teaching Method	Learning Outcome	Assessment
t.	10	Meaning and definition of economics. Nature and Reopert Business Economics. Meno and Hacao Eco-			
2.		nomice. Differences, cardinal and exclinal and exclinal autility.  Demand Analysis- Meaning and definition of price clarificity of demand, types of price clarificity.			
n.	12	functions, Law of demand, demand, demand, demand of the street of proceed electricity types of elactricity.			

### **Academic Plan**

Year: 2020-21 Semester: VI (II GA) Department: Econ onics.

Name of the teacher: D. N. M. Moudula.

Teaching Objective: It to make Students understand the sopice in the subject.

Sr. No.	Hours allotted	Topics	Teaching Method	Learning Outcome	Assessment
. ,	ι.	Suportance of agl Economics.	become andhot.	Assimilation	door .
2	2.	Nature and scope of Agricultural Pronomin	tepture somethod	Undurande	Eccel.
3	2.	tactore affecting agreentance devi	become,	Undustardi	y good.
4	殳.	General interdependents between Agriponders	r brotus	Undustandin	s Good
5	2	Concept of preduction.	n leading		
6	Q.	Input and output and product delablonship in	e	Undustard	
		four production	recture	d. Understor	d- Good.

alog n

### **Academic Plan**

Year: 2020-21

Semester: VI

Department: Economics.

Agricultural Output

macketing.

Name of the teacher: Da N. M. Maudula

Teaching Objective: To make the equality understand about agricultural output branketing.

Sr. No.	Hours allotted	Topics	Teaching Method	Learning Outcome	Assessment
,		Stendine of model of ag marketing. Organ- isotton with functions onlined ance. Market. in primary and secondary and tertilary markets. Segulated onackets. Co-qualic markets.		to learn about types of agrowtheral marketing	
2.		Marketing costs and margine, Marketing forance. Marketing escetuse of major egricultural commodition	Lecture method.	to learn about	
3.	10	ical grains, rice & maje cash exope, oil-rede, vag- lables & furits. Subdeme & challenges in spourtmat Markethy, narbet gards-support philes - must varchousing.	hecture	agricultud marketing Etructure	

**Academic Plan** 

Year: 20-21

Semester: T

Department: English (Gen. English).

Teaching Objective: Listering and Listering and

Leaving.
Sensitise to the huances of English Speech spunds,
world accent, intonation and rythem.

Increase accoveness of Correct usage of English

grammar in Writing and Speaking.

Leavn to Improve a Portive attitude...

Sr. No.	Hours allotted	Topics	Teaching Method	Learning Outcome	Assessment
		aluit I: Lister- ing skills.		skill.	
		QuitII: Speaking Skills.		Vocabela	y.
	12	Unit III: General Grammar.	Lecture.	Demonstr an unde Standings (Driting) Skills.	ute v-
	12	Uniting	Lecture retured: Practice.	c1	
	12.	elnit I:-	Lecture	Acquire ability to use soft seils on	Cite +

1 L- . 9

### Academic Plan

Year: 2020-21

Semester: [ ]

Department: Economics

Name of the teacher: BNIRMALA

Teaching Objective: The Teaching objectives of Marcrocconomics generally include condenstanding and analyzing the overall economy. Keep goals involve grasking concepts, like Gipp, implation unemployment and fiscal pronetary policies. Students often learn to evaluate economic indicators, comprehend the order government, and explore how macroeconomic fortors impact Societies. impact Societies.

Sr. No.	Hours allotted	Topics	Teaching Method	Learning Outcome	Assessment
ModuleI	15.	Meaning, definition of Matro Economics-Imper tanked Malro Economics- Refference between mairo and Malro Economics- Paradox of Macro Economics Limitations	r Lecture Method.	Remembers and States in a Systematic way. Various concepts definations Laws and Principly	Lisking Quater
Moduly		National Income-Defination Concepts of Nulsonal In- come_measurement of		of Mairo Economic The dry with Dref to Income Money, compay ment thanking	Ou 12
	15	National Income - circi cular flang Incane in two thrue, and four Sector Economy	Le cteure Meltrap	and binome.  Explains the  Difference but  Various concept and component	group study
Modulelii	8	classed Theory of Emplo- yment - Sayl Law of Markets.		with illustrations and metrod	
Modulik		Employment-Consump- tion function-Investment		of measuring No. Income . I function of commercial Banks and	Assignment
	20	function Marginal efficiency of Capital (MEC) - Concepts of multiplier and accelerator	meltrod.	central Bank Creation and Control gives Cretically Examiner Lynnadata	-
nodulex	20	Me aning and functions of Money - classification	t.	and figures	

### Academic Plan

Year: 2020-2021

Semester:

Department: Psychology

Name of the teacher: Ps. 40 Sepu.

The Student to describe, Explain, predict and change or **Teaching Objective:** 

Control the mind and behaviour of the others.

The stodent gets the voide ronge of Sustields, such as Social behaviour, Human development and cognitive purctions.

Sr. No.	Hours allotted	Topics	Teaching Method	Learning Outcome	Assessment
1.	12.	Definition; Nature; Sage, and Alma, of Psychology, schools of Psychology characteristical Psychology, methods of Psychology.	Discouring metter	Proble the perology is the major pronces in the field	CCA.
2.		Biological Bairs of Behavior: Heuro anatomy; Structure and conduction of the neuron; central aleneus System; Spiral card-struct and tundinu; Hormons and Behaviour; Endocrine glands; Hormon productions productions; machinims of Herdity and evinennut. Hattre and Mortum	display motor	basic arating and torctions floots, smell;	I mid Examination

### Academic Plan

Department: General English Year: 2020-2021 Semester: 1

Name of the teacher: Ch. Anita

Teaching Objective: Know The difference between disterning

Servicing trus number of English speech Servicing trus number of English speech sounds, word occur, in tomotron and why them In crease ownering of Correct usage of English grammar in writing and speaking Be awar of gelt Confidence, values, strength, and weak news through self-analysis Lean to improve a positive attitude.

Hours Teaching Sr. No. Learning **Topics** allotted Assessment Method Outcome Confidently upe to took of Commun cationship Demonstrate goo No cabulary 1 1 use -

### Academic Plan

Year: 2020 - 21

Semester: T

Department: Botemi

Name of the teacher: G. Nirmele Kumari

Teaching Objective: Paper - I - Fundamentals of Microbes & Non-varcular Plants

1. To explain origin of life, life apple of Dadria and virules

and their pathogenesity.

2. To explain life history of certain fungi, diseases coused by them

3. To explain life history of Algee of their economic impostence

4. To explain the life history of cartain Bryophytes of their probationary trands.

Sr. No.	Hours allotted	Topics	Teaching Method	Learning Outcome	Assessment
1.	3	Original life, Miller a Vrey experiments Five leingdam classification of R.H. Whitheler, Discovery of microagani sme, Pasteur experiment germ theory of disease	Lecture	students understand the bow the thetheories of origin of life.	Exam
2.	8	Viruses - Structures replication of TMV o basteriophege disease caused, their transmi ssion and control. Significance of Viruse in vaccine production, bioperticides and as Clering vertors	besture	Studen to Oble to Under Stude Itselije Lister Of TMV b bosterio pregeo of disecter could by Virules and the Shir Significance	0.8 A

G Nivmela Kumari Men.

odhra Christian Colle:

Dr. V. EZRA VIJAYA SEKHAR M.Sc., M.Phil., Ph.D., B.Ed., Head, Dept. of Botany A.C. COLLEGE, GUNTUR (A.P.) Signature of the Principal
PRINCIPAL
Andhra Christian Colleg
(Day/Even./P.G)
GUNTUR

### Academic Plan

Year:

Semester:

Department: Political Ccience.

Name of the teacher: J. CAMUEL Tolo.

Teaching Objective: Explain the Students in Defaultow, Nature, Scope Importance of political Science: Elements of the State and and Brifin of the State, Divinezingin, fore, the sty, and Social contract the sty and Modernard we flare Italian and alloexplain Law, Cours of Law, Liberty, Types of egrality and Legitificary. Teaching Objective:

Sr. No.	Hours allotted	Topics	Teaching Method	Learning Outcome	Assessment
ŀ	15	Definition Nature Scope Importence of political Science Relationswith History Economics Sociology	Gia	Knowdlaw Apolitical	CCE
2.	15	2. Apprecache to the Study. Definition of the St Elements, The Brief of olding of the State Divinedigin, Folce social confiact	to Discussion feethod Lectuains	consplical science	7. Miderah
3.		Welfore State Law, Liberty Equality, power suttonity and Legititicay.		therelolid lhostelical custorstand of highes.	ASS'iguru

### Academic Plan

Year: 2020 - 2021

Semester: 7

Department: TELUGO

Name of the teacher:

Sr. No.	Hours allotted	Topics	Teaching Method	Learning Outcome	Assessment
ı)	4	30 60 30 20 280, 30 60 30 20 280, 30 60 30 20 280,	3,000 ach	36.88 30 80 80 80 80 80 80 80 80 80 80 80 80 80	how war
2)	4	もかのよかかってのころ おるかのの	82 4 25 4 25 25 25 25 25 25 25 25 25 25 25 25 25	480mg	3 2 000 40 20 20 20 40 20 20 40 40
3)	4	कड्रिट ठ्राउट - कार्ल भारत ठ्राउट.	0362 Doog	365 25 20 200, 120 20 260 200000000000000000000000000000	90 9 9 90 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1
4)	4	(a) \$10 \$ (a) \$ ab ~ (b) \$10 \$ (a) \$ ab ~	@ KO 6 \$ 100	65 20 20 20 20 20 20 20 20 20 20 20 20 20	20000 09267 09267 09000
5)		कुर्य क्ष्यक्षक अभीता । भूष्य कि क्ष्यक्षित अभीता ।		39 00 200 C	र्भ भू री००५० विकेत्रेच्चर

Academic Plan

Name of the teacher: Dr. 71. KUSUMA KUMAR!

Teaching Objective: 1.70 Cearn a bout of block of block elists

and under stand their properties.

2. To know the unique was of Helah and Their

Bondy, or the ories is volved and their structure.

3. To know the structure of carbonyls of untility.

Sr. No.	Hours allotted	Topics	Teaching Method	Learning Outcome	Assessment
1	9 hrs	Cheristry of d' blockelents.	Lecture-	studentable to galentifie diffit Prefer	E O TA
2	6 hog	theories of Bordy in Hetals	4	ents - Acquirette knowledgeg	QVA
3	7	Hetal Carbonyls	Lecture var	understand our structured	b Quiz
4	8	Cheistry & f' block elets.	Lecture.	- myls Students - S	B & VA.

### Academic Plan

Year: 2020-21 Semester: III Department: CHEMISTRY

Name of the teacher: Dr. N. J. SOZOMON BABU

Teaching Objective: ITO Know about various compounds with different functional

graph and other thin leaching with mechanisms

2 TO Know about the Perfective of Hadger

Componds, Hydropy comp, Carbayl compan de acid denotes

3 TO Know the rightness of Achine methylene grap
awale note interpolition of org comp.

Sr. No.	Hours allotted	Topics	Teaching Method	Learning Outcome	Assessment
1	5hrs	Halogen Comp	Leitere	Understand SN'SN' mechanin	Qes
2	5 hos	Hydroxy compoun	es deutre	Know the signiful of alcoholise	q.A
3	10 kg	Cansony/ Composers	Lacture	identity the Emportance of addictyous	Ruiz
4	6hrs	Carpoylic acids and derivation	dectore	alderyouse Kefons eluderching The V= wions then values	8-4
5	1	Achie methylene Empounds	Le other	tonvaling acids awhien acids awhien the fibrity Khan Me Unique next of active metry	har a
				Rempardichow	( SOA

### Academic Plan

Year: 2020 - 21

Semester: 1

Department: Bolony

Name of the teacher: G. Nirmela tumari

Teaching Objective: Paper I - Fundamental of microbes of Nonvasillar plants

1. To explain origin of life, life cycles of brederia and viruses and their pathogenesity

2. To explain life history of Jungi, disease's caused by them

3. To explain life history of Algee of their economic importance

4. To explain the life history of centain Bryophyles & their evolutionary trends.

Sr. No.	Hours allotted	Topics	Teaching Method	Learning Outcome	Assessment
3.	10	Brief account of Archer baveria, Adinomyater cyano bacteria, cell Structure and nutrition of Eubacteria, Reproduction of Bacteria, Their economic importances symptoms of diseases	<b>D</b> County	Students  able to  understand  the proleogote  their Structure  economic  importance  void one  diseases	EXam
η.	6	Coused by Backria Coused by Backria General Cheracters of Red Fungi, Life history of Rhizopus and Puccinia	Levere Demanstration	cousedby Bosteria Student abletounderst and how to idensity Fungi, Rhizo two of Puccinia	Exam

G. Nirmelallumari

dhra Christian College

M.Sc. M.Phil. Ph.D., B.Ed.,
Head, Dept. of Botany
A.C. COLLEGE, GUNTUR (A.P.)

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