



Estd : 1953

A.M.A.L.COLLEGE

NAAC B++ Grade Institution

ANAKAPALLE - 531 001. Viakhapatnam Dist.

TEACHING DIARY

Name : P.V.S. JYOTHI

Designation : LECTURER IN
TELGUGU &
SANSKRIT

Department : TELUGU & SANSKRIT.

Academic Year : 2022-2023

9

A.M.A.L.COLLEGE, ANAKAPALLE

2022

Name of the Lecturer

P.V.S.JYOTHI

Department :

T&L & SAN

Month :

DECEMBER

Date / Day	Class / Section	Period	Medium	Theory / Practical	Topics Covered	Methodology Adapted	No. of Students Attended	Teaching Aids Used	Student Activity Conducted	Remarks
29.12.2022	IB-SC	2	Tel & Eng	Theory	సమాసా: - అవ్యయీయము: తన్మూలము: ఉద్భవము, బహువిధము	Lecture Method	28/32	Black Board		
30	IB&H	3			ఫలప్రసాదము, దీపికామలకరము		32/35	&		
30	TCB-2	5			ప్రథమాంతన్మూలము: 70 నంబు		11/15	chalk		
30					తన్మూలము: Explain examples					
30	IB-SC-A	6			తన్మూలము సమాసా:					
30					దీపికామలకరము: Explain	Lecture	14/16	Black		
30	B-VOC	3	Eng		సంకలనము: సంకలనము-వేదము	Method	68/72	Board		
30	IB-SCA	4			కర్మధారయసమాసము:		42/52	&		
30	IB-Com	5			విశేషణముపూర్వపదకర్మధారయము:		48/52	chalk		
30	IB-SC	6			70 అవధారణాపూర్వపదకర్మధారయము: Explain		32/35			
30	H				& given examples.					
31.12.2022	B-VOC	1	Tel & Eng		సంకలనము: సంకలనము-వేదము	Lecture	65/72	Black		
31	IB&H	4			అప్రస్తుత ప్రశంసామలకరము:	Method	32/35	Board		
31	TCB-2	6			దృష్టాంతమలకరము:		14/16			
31										



PRINCIPAL
A.M.A.L. COLLEGE
ANAKAPALLE

ANNUAL CURRICULAR PLAN 20 - 2022-2023. B-VOCATIONAL.														
Name of the College : A.M.A.L. College, Anakapalle					- తెలుగు -					Name of the Department : తెలుగు & SANSKRIT				
Name of the Lecturer : P.V.S. JYOTHI					Class					Year: 2022				
										Paper: I-SEMESTER DEGREE				
Sl.No.	Month	week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided	Curricular Activity				Co - Curricular Activity				Remarks
						Activity Conducted	Hours allotted	Whether conducted	If not, alternate date	Activity Conducted	Hours allotted	Whether conducted	If not, alternate date	
1.	O	1.	8	1. రాజనీతి: కంఠ మహాభారతం లోని సభాపర్వము ప్రధానాంశం నుండి (గహంప బడిన కథాంశం వివరణ)	yes	పద్యాల వివరణ లో పాఠం	7	Conducted		లభ్యులు వారాల నక్షత్రాలు	2	Conducted		COVERED
	T	2.	8	2. దత్తయజ్ఞం: నన్నెచోడుడు రచించిన రచన వివరణ. ఇలాంతా లకూర్పు - చిత్రకవిత్వము మొ	yes		7	Conducted		గుర్తింపు				COVERED
	B	3.	8	దత్త నవి వివరణ పద్మహర్షక -గా. రెండు పాఠశాంతములలోని వ్యాకరణాంశాల వివరణ.	yes		7	Conducted						COVERED
	R	4.	8	3. ధామ్య దేశోపదేశము: 13వ శతాబ్దానికి చెందిన తిక్కన సమయంలో రచన పద్మహర్షక వివ	yes	పాఠశా రచనల శ్లోకాలు	2	Conducted		రామాయణ-మహాభారత కథలు	2	Conducted		COVERED
	2			-రణ. "భారతంలోని 18 పర్వాలను గురించి వివరణ" విరాట్టుని కొలు - ప్రాంత మూడు పేర్లలో ఉన్న పాద శ్లోక కథ వివరణ.	yes	పాఠశా & వివరణ	6			శ్లోకాలు వివరణ				COVERED

P.v.s. Jyothi
Signature of the Lecturer

P.v.s. Jyothi
Signature of the Lecturer In-charge



Signature of the Principal
PRINCIPAL
A.M.A.L. COLLEGE
ANAKAPALLE

'వ' గణం దీనిన 'లగం' అని కూడా అంటారు
'గగ' అనగా గురువు + గురువు.

వృత్తపద్యాలు: ఉత్పలమాల
చంపకమాల
శార్దూలమం
మత్తేభమం

జాతులు: కంఠమం
ద్విపద

ఉపజాతులు: ఆటవెలది
తేటగీతి
నీసము

మంత్రాలసరం వివరణ.
అంక మంత్రాలసరం వివరణ. ఈ పద్య
లక్షణాలను వివరించి విద్యార్థుల చేత
పద్యపూరణ చేయించుట.

Topic Synopsis

Example / illustrations

ఉ	భ	10	20
చ	న	11	21
కా	మ	13	19
మ	స	14	20

విద్యార్థులకు గణ
విభజన, గురు, లఘు
పుల గుర్తింపు. పద్య
పూరణ నేర్పించుట
తెలుగు సాహిత్యంలో
పద్యాలలో వచ్చిన
మార్పులు. సాహిత్య విలువలు - ఆచరణ
వివరాలు.

Additional inputs

హైకూలు, నానీలు, గజిత్స, మినీ
కవితల గురించి వివరణ.

Teaching Aids used

పాఠ్యపుస్తకము, వ్యాకరణ దీపిక,
నల్లబల్ల మరియు సుద్ధి ముక్క.

References cited

వి.జి. ఎస్. సిరీస్, పాఠ్యపుస్తకము
మరియు టీచింగ్ నోడూ. 2016.

Student Activity planned after the
teaching

విద్యార్థులచేత గ్రూపులుగా వ్యాకరణ
విషయాలు చార్టు పై వ్రాయించుట

Activity planned outside the Class
room. If any

వ్యాసరచన, వక్రత్వ పోటీలలో
పద్యమాలను ఏ విధంగా ఉపయోగించాలి

Any other activity

విద్యార్థులకు ఉపయోగపడే సాంకేతిక బాణీలలో
పద్యాలను ఉపయోగించుట



Principal

ANNUAL CURRICULAR PLAN 2021- 2022

Name of the Department : SANSKRIT

Year: 7 year

Paper: I Semester Bsc Bcom

Signature of the Lecturer

Signature of the Lecturer In-charge



Tara MS
Signature of the Principal
PRINCIPAL
A.M.A.L.COLLEGE
ANAKAPAI

Name of the Department	SANISKRIT
Name of the Lecturer	S. Rajani Kumari
Course/Group	BSC / BCom
Paper	Sem - II
Name of the Topic	इन्दुमती स्तयंवरम्
Hours required	4
Learning Objectives	Blude, Beard & Chalk
Previous Knowledge to be reminded	"श्रीमद्भागवतम्"
Topic Synopsis	"इन्दुमती स्तयंवरम्" रघुवंश-कालिदासः वागर्थसिः संपृक्तौ वागर्थप्रतिपन्नयो । जगतः पितरौ वन्दे पार्वती परमेश्वरौ ॥ कतिपरिचयः:- महाकवि कालिदासः कुमारसंभव, रघुवंशं नामक महाकाव्याद्वयम्, नृत्तसमूहः, मेघदूतम् नामक लघुकाव्यमद्वयम्, मालविकाग्निमित्रम्, विक्रमोर्वशीयम्, अभिज्ञानशाकुन्तलम् नामक रूपकत्रयं च निरूपितवान् । रघुवंशः:- रघुवंशः रामोन्विशतिसर्गात्मकं काव्यम् । तत्र कवि सूर्यवंशं राजानां वर्णनम् दिलीपदाभ्यः अष्टमित्रवर्णपर्यन्तं चकार । प्रस्तुत पाठ्याशः:- इन्दुमती स्तयंवरम् इति प्रस्तुत पाठ्यभागः रघुवंशं महाकाव्ये षष्ठे सर्गे स्मृतः । अत्र द्वारपालिका सुनन्दा स्तयंवरं आगतानां राजकुमारं वंशगुणविशेषादीन् क्रमशः स्मृतोद्घरणद्वया वर्णितम् । अत्र कालिदासस्य सहजवर्णनानि पुण्यम् अद्भुतं कवितासौंदर्यं च जानीमः । 1. * सञ्चरिणी दीपशिखेव शत्रौ यं व्यतिधातुं वरिवंशः सा । नरेन्द्राणां गीर्वाणं इव प्रपदं सं स भूमिपालः ॥

२. * इक्ष्वाकुवंशः ककुदेः दृष्ट्वा ककुत्स्थ इत्यादितलक्षणेऽभूत् ।
काकुत्स्थशब्दः यत उक्तेच्छः श्लाघ्यं दधत्युत्तरोत्तरेण ॥
३. * एषो रघुस्य ददं प्रशस्तिं महाकृतेर्विश्वजितः प्रयोक्ता ।
यत्तुर्दिगावर्जितसंभूतां यो मुत्पन्नशेषामकोशं विभूतिम् ॥
४. * ह्युलेन बाल्या वयसा नवेन गुणैश्च वैश्वैर्विनय प्रधानैः ।
तस्मात्पुनस्तुल्यमगुं कृणीष्व रत्नं समागच्छतु काञ्चनेन ॥
५. * सा चूर्णगौरं रघुनन्दनस्य धात्रीकाराभ्यां करभोपमोरह ।
आश्रयामास यथाप्रदेशं कष्टे गुणं मूर्तिमिवानुरागम् ॥
६. * तथा सजा मङ्गलपुष्पमया विशालवक्षस्थलतन्त्रया सः ।
अमंश्च कण्ठार्पितबाहुपाशं विदभिरावावराजं वरेण्यः ॥

Examples/illustrations	प्रीमद्रामययाम्, सुवर्ण
Additional inputs	Assignment
Teaching Aids Used	Black Board & Chalk
References cited	Google . Site
Student Activity planned after the teaching	yes
Activity planned outside the Class room. If any	No
Any other activity	Project .



Jana, S. S.
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ANAKAPALLE



Estd : 1952

A.M.A.L. COLLEGE

NACC B ++ GRADE INSTITUTION

Anakapalle - 531 001, Visakhapatnam Dist

TEACHING DIARY

Name : S. Rajani kumari
P. RAJESWARA PRASAD

Designation : JR. Lecturer

Department : Sanskrit
PG Commerce

Academic Year : 2021-22
2022-23



A.M.A.L. COLLEGE

NACC B ++ GRADE INSTITUTION
Anakapalle - 531 001, Visakhapatnam Dist

TEACHING DIARY

Name : S. RAJANI KUMARI

Deignation : JR. L~~E~~CTUROR

Department : SANSKRIT

Academic Year : 2021 - 2022

Name of the Lecturer

S. Rajinik

A.M.A.L. COLLEGE ANAKAPALLE

Sem - II

Department: Sanskrit Month: October

S.No	Date / Day	Class / Section	Period	Medium	Theory / Practical	Topics Covered	Methodology Adapted	No of Students Attended	Teaching Aids Used	Student Activity Conducted	Remarks
45	29-10-21			E		ॐ श्री गणेशाय नमः	T		B	L & W	Good
	F			N			E		L		
	R			G		स. बालिदासस्य सप्तकृतिः	A		A	Seminar	
	I			L		१. रघुवंशं २. कुमारसम्भवं	L		C		
				I		इति महाकाव्यम् द्वयम्	H		K	L & W	Good
46	30-10-21	IBSC	2	S		३. मलय सन्देशः ४. तुलुसम्भवं	T	22/35			
	S			H		इति लघु काव्यम् द्वयम्	N		B	Open	
	A	IBSC	5			५. माकम्बिका उद्गमिनी	G	26/35	O		
	T	IBSC	B			६. विक्रमोर्वशीयम् ७. अम्बिका			A	L & W	Good
						शकुन्तलम् इति रूपकं त्रयम्	M	20/35	R		
47	31-10-21					HOLIDAY	E		D		Good
	S			T			T				
	U			E			H		L		
	N			L			D		R		
				U			O		M		
48	01-11-21	IBSC	1	G		ॐ नमो भगवते वासुदेवाय	L	35/50	A		
	M	IBSC		U		स. बालिदासस्य सप्तकृतिः	O		L		
		IBSC	B			१. रघुवंशम् २. कुमारसम्भवं	G	20/35	C		
						इति महाकाव्यम् द्वयम्					
						३. मलय सन्देशः ४. तुलुसम्भवं					

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ANNUAL CURRICULAR PLAN 2021-2022														
Name of the College : A.M.A.L. College, Anakapalle						Name of the Department : Mathematics								
Name of the Lecturer : J. SAMBRAJYAM						Class : I BSc B			Paper : II (Solid Geometry) II Sem					
Sl.No.	Month	week	Hours Available	Syllabus Topic	Additional Input/Value Addition Provided	Curricular Activity				Co - Curricular Activity				Remarks
						Activity Conducted	Hours allotted	Whether conducted	If not, alternate date	Activity Conducted	Hours allotted	Whether conducted	If not, alternate date	
1	September-2021	1	5	Equation of a plane in terms of its intercepts on the axis, Examples, Equation of the plane through the given point and $\perp$ to the plane	Division Formula perpendicular distance from the plane	Theory practical	5 —	Conducted						covered
2		2	6	orthogonal projection of a plane Bisectors of angles between two planes	Laws of the point	Theory practical	4 2	Conducted		Remedial class	1	Conducted		Covered
3		3	7	Combined equation of two planes and pair of parallel planes	Direction cosines and D.C.S	Theory practical	5 2	Conducted		Seminar	1	Conducted		Covered
4		4	7	Equation of a line, Angle between a line and a plane, given line may lie in a given plane, coplanar lines	angle between two lines	Theory practical	5 2	Conducted		problem solving session	1	Conducted		covered
5		5	6	The shortest distance between two lines. Length of the perpendicular	S.D between two skew lines	Theory practical	4 2	Conducted		Remedial class	1	Conducted		covered

J. Sambraiyam
Signature of the Lecturer


Signature of the Lecturer In-charge


Signature of the Principal
PRINCIPAL
A.M.A.L. COLLEGE
ANAKAPALLE

A.M.A.L.COLLEGE, ANAKAPALLE

Name of the Lecturer J. SAMBRATYAM

Department : Maths

Month : September

Date / Day	Class / Section	Period	Medium	Theory / Practical	Topics Covered	Methodology Adapted	No. of Students Attended	Teaching Aids Used	Student Activity Conducted	Remarks
29/9/21 Wed	IRSCB	1	English	Theory	Image of the line in the plane	Lecture	22	Blackboard		
					Example and exercise problems					
	IIIRSCA	3	Telugu	Theory	Linear Independent and L.D	//	45	"		
					Defns problems					
	IIIRCB	5,6	English	practical	L.I and L.D Examples	//	45	Blackboard		
					and exercise problems					
30/9/21 Thu	IIIRSCA	2,3	Telugu	Theory	L.I and L.D problems	Lecture	46	"	Assignment work	on subspace
					and Theorems. L.I and					
					Linear Dependents Examples					
	IIIRSCA, B	1,5	Telugu/ English	Theory	L.D and linear Independent	//	46	Blackboard		
					Theorems					
	IRSCB	4	English	Theory	Angle between a line and a	//	21	"		
					plane $\sin \theta = \frac{a_1b_2 - a_2b_1}{\sqrt{a_1^2 + a_2^2} \sqrt{b_1^2 + b_2^2}}$					
1/10/21 Fri	IIIRSCA	3	Telugu	Theory	$L \cap T \subseteq \{a_1b_2 - a_2b_1 = 0\}$	Lecture	45	Blackboard		
					$L \cap T \subseteq \{a_1b_2 - a_2b_1 = 0\}$ Examples					
	IIIRSCA	5,6	Telugu	practical	Defn of Basis, Dimension	//	45	"	problem solving	
					Examples, Exercise problems					
2/10/21 sat	Grandhi Jayanthi									
3/10/21	SUNDAY									

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to the plane bisecting the angle containing the origin between the planes π_1, π_2 is $\frac{a_1x+b_1y+c_1z+d_1}{\sqrt{a_1^2+b_1^2+c_1^2}} = + \frac{a_2x+b_2y+c_2z+d_2}{\sqrt{a_2^2+b_2^2+c_2^2}}$

and to the plane bisecting the other angle between the planes π_1, π_2 is $\frac{a_1x+b_1y+c_1z+d_1}{\sqrt{a_1^2+b_1^2+c_1^2}} = - \frac{a_2x+b_2y+c_2z+d_2}{\sqrt{a_2^2+b_2^2+c_2^2}}$

Find the equation to the plane through the point (x_1, y_1, z_1) and parallel to the plane $ax+by+cz+d=0$

Let Equation to the plane parallel to the plane $ax+by+cz+d=0$ be $ax+by+cz+k=0$ and is passing through (x_1, y_1, z_1)

$$ax_1+by_1+cz_1+k=0 \Rightarrow k = -(ax_1+by_1+cz_1)$$

$$ax+by+cz-ax_1-by_1-cz_1=0$$

$$a(x-x_1)+b(y-y_1)+c(z-z_1)=0$$

Ex Find the equations of the planes through the intersection of the planes $x+3y+6=0$ and $3x-y-4z=0$ such that the perpendicular distances of each from the origin is unity.

Examples/illustrations	Examples in the Text book.
Additional inputs	problem solving, projectwork.
Teaching Aids Used	Blackboard
References cited	Telugu Academy, S.Chand, Santhinarayana, Deepthi
Student Activity planned after the teaching	Assignment work study projects, previous question papers practice
Activity planned outside the Class room. If any	Student seminars, unit Test, class Test problems practice.
Any other activity	

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ANNUAL CURRICULAR PLAN 2020-2021														
Name of the College : A.M.A.L College, Anakapalle						Name of the Department : PHYSICS								
Name of the Lecturer : T. Niranjan Kumar						Class	Year : II BSC ASE				Paper : II OPTICS			
Sl.No.	Month	Week	Hours Available	Syllabus Topic	Additional Input/Value Addition Provided	Curricular Activity				Co-Curricular Activity				Remarks
						Activity Conducted	Hours allotted	Whether conducted	If not, alternate date	Activity Conducted	Hours allotted	Whether conducted	If not, alternate date	
1	Dec	1	5 +6	Colours of thin films. Interference by a film with two non-parallel reflecting surfaces. Determining Diameter of wire. Newton rings.	Interference of Young Double slit experiment.	Theory	5	Conducted						Covered
		Practical	6											
2		2	5 +6	Michelson Interferometer. Determination of wavelength of monochromatic light using Newton's rings.		Theory	5	Conducted		Quiz	1	Conducted		Covered
		Practical	6											
3		3	5 +6	Diffraction: Distinction between Fresnel and Fraunhofer diffraction. Fraunhofer diffraction due to single	Explain Basics of Diffraction	Theory	5	Conducted						Covered
	Practical	6												
4		4	5 +6	SEI and double slit. as well as N-slits Resolving power of grating. Determination of wave length of light		Theory	5	Conducted						Covered
	Practical	6												
5		5	3 +3	Normal and minimum distances. Fresnel's Half Period Zones. Area of the Half Period Zones.		Theory	3	Conducted		Group Discussion	1			
	Practical	3												


Signature of the Lecturer


Signature of the Lecturer In-charge


Signature of the Principal
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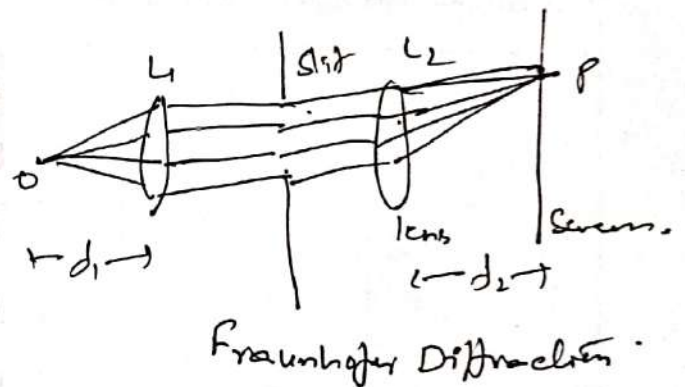
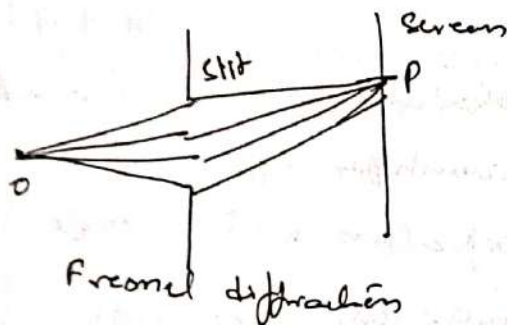
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Proforma for Teaching Notes

Name of the Department	PHYSICS
Name of the Lecturer	T. Niranjan Kumar
Course/Group	2 BSC
Paper	III
Name of the Topic	Diffraction of light.
Hours required	14.
Learning Objectives	To recognize that light is a wave with a small wavelength.
Previous Knowledge to be reminded	A brief Introduction to Diffraction of light.
Topic Synopsis	Differences between Fresnel and Fraunhofer diffraction. Diffraction due to single slit and double slit, N-slits. Diffraction Pattern. Resolving Power of grating. Determination of wavelength of light in normal incidence and minimum deviation method. Half Period Zones area of Half Period Zones. Zone plate Difference between interference and diffraction.

Examples/illustrations	Reference Books $\rightarrow$ to the Concern topics.
Additional inputs	Explored with practical instruments, PPT classmate.
Teaching Aids Used	Black Boards and charts
References cited	Unibied Physics.
Student Activity planned after the teaching	Seminars
Activity planned outside the Class room. If any	Test conducted, Quiz & Group discussion.
Any other activity	—

Distinguishes between Fresnel and Fraunhofer Diffraction.



Resultant of a number of sinusoidally varying disturbance

$$R_{\cos} = a + a \cos 2 + a \cos 2 + \dots + a \cos (n-1)2$$

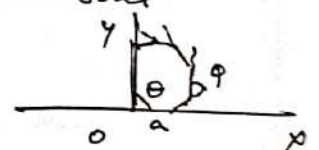
$$R_{\sin} = a [0 + \sin 2 + \sin 2 + \dots + \sin (n-1)2]$$

$$R^2 = \frac{a^2 \sin^2 n d/2}{\sin^2 d/2}$$

$$R = \frac{a \sin n d/2}{\sin d/2}$$

$$\text{Then } \frac{\sin(n-1)d}{2}$$

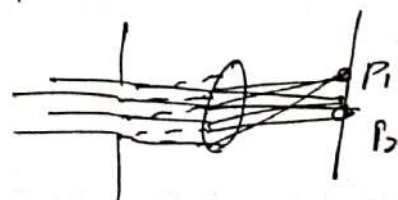
$$\theta = \frac{(n-1)d}{2}$$



Fraunhofer Diffraction due to single slit

$$\frac{2\pi}{\lambda} \sin \theta = \frac{1}{2} \left(\frac{2\pi}{\lambda} \sin \theta \right)$$

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Name of the Lecturer

S.No	Date / Day	Class / Section	Period	Medium	Theory / Practical	Topics Covered	Methodology Adapted	No. of Students Attended	Teaching Aids Used	Student Activity Conducted	Remarks
	09.9.2019	II BSc E	1	English	Theory	Diffraction of light Fresnel's experiment	Lecture	65	Black Board	L & W	
		II BSc E	3	English	Theory	Introduction to crystal structure	"	68		L & W	
		III BSc AS	4	Telugu	Theory	crystal structure, diffraction of light	"	60		L & W	
		III BSc A	5,6,7	Telugu	Practical	Practicals	Demonstrations	38	Prisms	L, W	
									DB		
	11.9.19.	II BSc AS	1	Telugu	Theory	Diffraction of light due to single slit	"	70	"	L, W	
		II BSc AS	2	Telugu	Theory	Seven Crystal Systems, Bravais lattice	"	35	"	L, W	
		II BSc E	3	English	Theory	Diffraction of light due to single slit	"	34	"	L, W	
		III BSc E	4	English	Theory	Crystal system, Bravais lattice	"	32	"	L, W	
	12.9.19	II BSc E	2	English	Theory	Intensity distribution of Diffraction	"	62	"	L, W	
		II BSc E	3	English	Theory	Bravais lattice	"	69	R-B	L, W	
		II BSc E	5,6,7	English	Theory	Bravais lattice	"	65	"	L, W	
	13.9.19	II BSc E	1	English	Theory	Gyroscope, Equinox	"	50	"	L, W	
		II BSc E	2	English	Theory	Double slit Diffraction	"	61	"	Assignment conducted	
		III BSc AS	3	Telugu	Theory	Intensity distribution	"	62	"	L, W	
		III BSc AS	4	Telugu	Theory	Bravais lattice	"	63	"	L, W	
		II BSc E	5,6,7	English	Practical	Practicals	Demonstrations		Prisms	Sealing conducted	

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Name of the Lecturer N. SHYAMALA

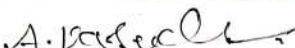
A.M.A.L. COLLEGE ANAKAPALLE

Department: Chemistry Month: November

S.No	Date / Day	Class / Section	Period	Medium	Theory / Practical	Topics Covered	Methodology Adapted	No of Students Attended	Teaching Aids Used	Student Activity Conducted	Remarks
26-11-18	MON	III B-SC cluster #1	4	TM/EN	Theory	Introduction about syllabus.	Lecture	49	Black Board	L&W	
27-11-18	TUE	III B-SC A,B,C cluster #1	2	TM	Theory	Introduction about VII & Unit-I Introduction of polymers.	Lecture	60	Black Board	L&W	
		III B-SC cluster #1	4	TM/EN	Theory	Introduction about elective		46			
		III B-SC cluster #1	6,7	TM/EN	Practical	Practicals.		28			
28-11-18	WED	III B-SC cluster #1	4	TM/EN	Theory	Basic definitions, degree of polymerisation,	Lecture	45	Black Board	L&W	seminar.
		III B-SC cluster #1	6,7	EN	Practical	Introduction about GED		28			
9-11-18	THU	III B-SC cluster #1	5	TM/EN	Theory	Practical syllabus.	Lecture	47	Black Board	L&W	
		III B-SC cluster #1	6,7	EN/TA	Practical	Consideration of electro magnetic radiation.					
11-11-18	FRI	III B-SC cluster #1	4	EN/TA	Theory	UNIT-II Molecular Spectroscopy: Interaction with molecule.	Lecture	46			
		III B-SC cluster #1	6,7	EN/TA	Practical	Absorption and Scattering. Means of excitation (light sources).		49	Black Board	L&W	
		III B-SC cluster #1	6,7	EN/TA	Practical	Separation of spectrum (wave length dispersion, fine resolution)		48		Power	

ANNUAL CURRICULAR PLAN 2018-2019														
Name of the College : A.M.A.L. College, Anakapalle						Name of the Department : CHEMISTRY								
Name of the Lecturer : N. SHYAMALA						Class	Year : 2018				Paper : V			
Sl.No.	Month	week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided	Curricular Activity				Co - Curricular Activity				Remarks
						Activity Conducted	Hours allotted	Whether conducted	If not, alternate date	Activity Conducted	Hours allotted	Whether conducted	If not, alternate date	
	September 2018	1 st	4	Different statements of the law, Carnot cycle and its efficiency. Carnot theorem. Concept of entropy. Entropy as state function.	Yes	Teaching the lesson	4	Yes		conduct seminar	1	Yes		
		2 nd	3	Entropy changes in reversible and irreversible process. entropy changes in galvanic cells and equilibrium.	Yes	Teaching the lesson	3	Yes		conduct the quiz	1	Yes		
		3 rd	3	UNIT II spectral and magnetic properties of metal complexes:-Types of magnetic behaviour: spin only.	Yes	Teaching the class	3	Yes		given the project	1	Yes		
		4 th	3	Formula. Calculation of magnetic moments. Approximate determination of magnetic susceptibility. Curie method.	Yes	Teaching the class	3	Yes		prepare the charts	1	Yes		


Signature of the Lecturer

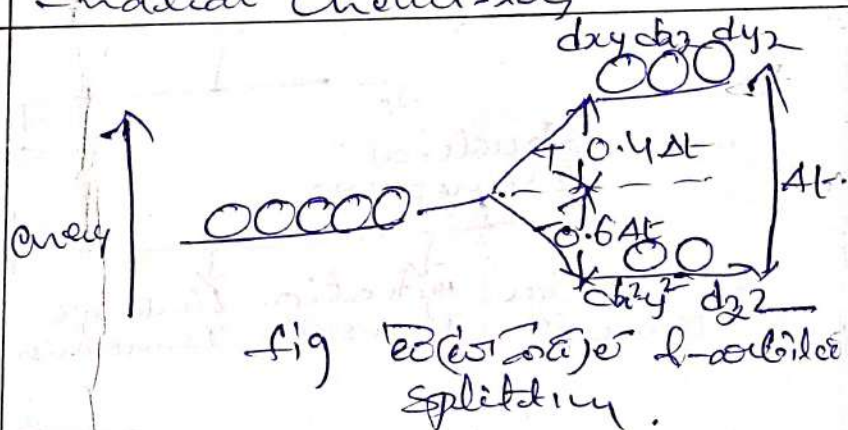

Signature of the Lecturer In-charge


Signature of the Principal

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Proforma for Teaching Notes

Name of the Department	N-SHYAKALU. CHEMISTRY
Name of the Lecturer	N-SHYAKALU.
Course/Group	III BSC Semester - V
Paper	Paper - V.
Name of the Topic	UNIT - II. Co-ordination Chemistry.
Hours required	4
Learning Objectives	To understand the main points of the topics (Lessons)
Previous Knowledge to be reminded	A brief Introduction. Co-ordination Chemistry



Topic Synopsis

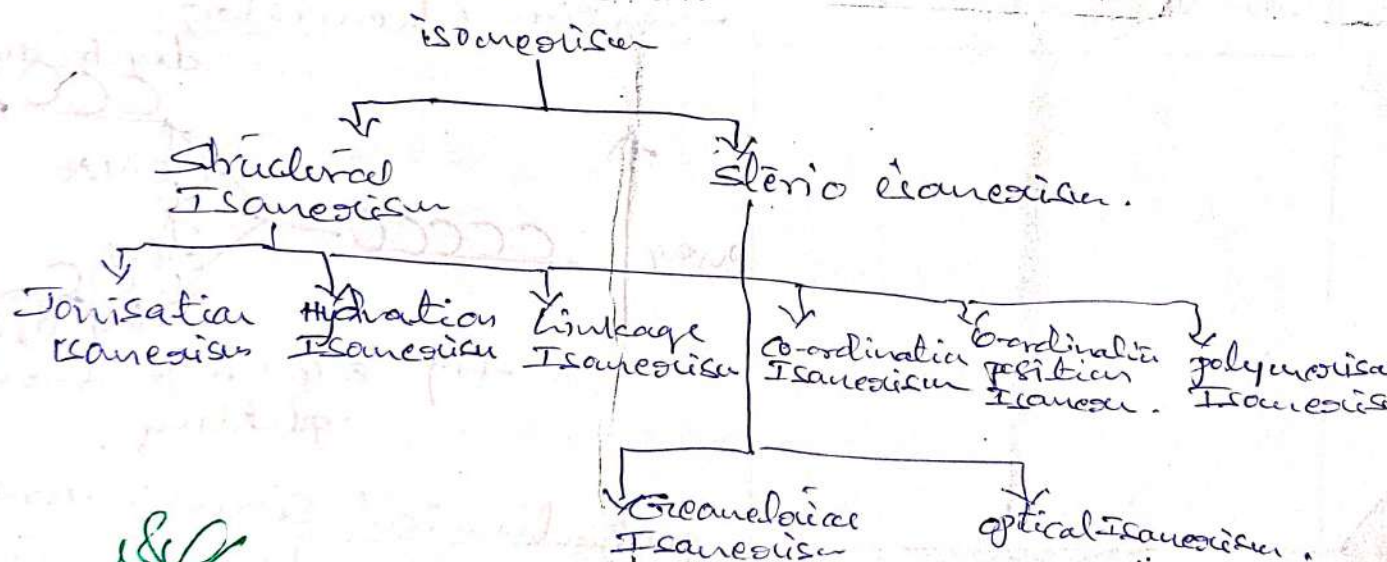
spectrochemical series: arrangement of ligands on basis of energy.

Crystal field stabilization energy (CFSE) :- entering of electrons into splitted d-orbitals on decreasing energy gives stability to the complex decreasing energy is called CFSE.

Tanaka S.

Examples/illustrations	Reference books and topic
Additional inputs	Reference books.
Teaching Aids Used	Black Board and Charts.
References cited	Difference books of Isomerism
Student Activity planned after the teaching	Reading the reference text books of prepared points
Activity planned outside the Class room. If any	Test conducted
Any other activity	

Isomerism :- Same chemical composition but
different molecular structures.



Teacher's Signature

A.M.A.L. COLLEGE ANAKAPALLE

Department: Chemistry Month: November

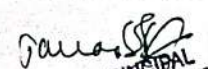
Name of the Lecturer NISHYAMALA

S.No	Date / Day	Class / Section	Period	Medium	Theory / Practical	Topics Covered	Methodology Adapted	No of Students Attended	Teaching Aids Used	Student Activity Conducted	Remarks
	26.11.18	MON									
		III B-SC cluster A1	4	TM/EN	theory	Introduction about A1 syllabus.	Lecture	49	Black Board	L & W	
	27.11.18	TUE									
		III B-SC A, B, C	2	TM	theory	Introduction about VIIA syllabus	Lecture	60	Black Board	L & W	
		III B-SC cluster A	4	TM/EN	theory	Unit-I Introduction of polymers.		46			
		III B-SC A	6,7	TM/EN	elective practical	Introduction about elective practicals.		28			
	28.11.18	WED									
		III B-SC cluster A1	4	TM/EN	theory	Basic definitions, degree of polymerisation,	Lecture	45	Black Board	L & W seminar	
		III B-SC A	6,7	EN	practical	Introduction about electro practical syllabus.		28			
	29.11.18	THU									
		III B-SC cluster A	5	TM/EN	theory	Consideration of electro magnetic radiation.	Lecture	47	Black Board	L & W	
		III B-SC cluster A	6,7	EN/TM	practical	UNIT-II Molecular spectroscopy: Infrared spectroscopy: Interaction with molecules.		46			
	30.11.18	FRI									
		III B-SC cluster A	4	EN/TM	theory	Absorption and Scattering. Means of excitation (light sources).	Lecture	49	Black Board	L & W	
		III B-SC cluster A	6,7	EN/TM	practical	Separation of spectrum (wavelength dispersion, time resolution)		48		paper	

ANNUAL CURRICULAR PLAN 2022- 2023															
Name of the College : A.M.A.L. College, Anakapalle						Name of the Department : B.Voc. Agriculture I Year, I Sem									
Name of the Lecturer : Ch.Kavya Sree						Class		Year : 2022				Paper : Genetics			
Sl.No.	Month	week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided	Curricular Activity				Co - Curricular Activity				Remarks	
						Activity Conducted	Hours allotted	Whether conducted	If not, alternate date	Activity Conducted	Hours allotted	Whether conducted	If not, alternate date		
1.	November - 2022	1	6	Introduction to cell and cell Organelles, fundamentals of genetics, cell cycle, cell division, Mitosis cell division, stages, Significance	Fundamentals of genetics and its significance	Yes	6	Conducted		Assignment		Yes			
		2	6	Cell organelles functions, Meiosis cell division, significance, difference b/w Mitosis and Meiosis DNA structure, replication & RNA.	Cell and cell organelles, different stages of cell division	Yes	6	Conducted		Poster making		Yes			
		3	6	structure of RNA, Genetic code and properties of genetic code, Gene regulation, Central Dogma Theory and Principle.	DNA double helical structure and its modes of replication	Yes	6	Conducted							
		4	6	Cell division, cytochemical methods differences between DNA and RNA, purines and pyrimidines	Gene regulation and central dogma theory	Yes	6	Conducted							
		5	3	Wobble hypothesis, exceptions to the universality of genetic code cell cycle and types.	Purines, pyrimidines, nitrogen bases and its uses	Yes	3	Conducted							

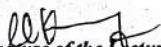

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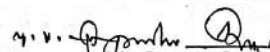

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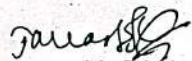

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ANNUAL CURRICULAR PLAN 2022-2023

Name of the College : A.M.A.L. College, Anakapalle						Name of the Department : B.Voc. Agriculture, 1 st year, 1 st Sem								
Name of the Lecturer : Ch. Kavya Sree						Class	Year : 2022				Paper : Manures and Fertilizers			
Sl.No.	Month	week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided	Curricular Activity				Co - Curricular Activity				Remarks
						Activity Conducted	Hours allotted	Whether conducted	If not, alternate date	Activity Conducted	Hours allotted	Whether conducted	If not, alternate date	
1.	November - 2022	1	4	Introduction to soil fertility & productivity differences, Essential nutrients-functions, deficiencies, toxicities of N, P, K - mobility, fixation	Importance of N, P, K and its functions	Yes	4	Conducted						
		2	6	Analytical instrument, principles, beneficial elements - nutrient interaction, Classification of fertilizers, Manufacture of Urea, NH ₄ SCN and properties.	N, P, K mobility and its fixation	Yes	6	Conducted	Assignment		Yes			
		3	6	Compost making - Aerobic & Anaerobic, Micronutrient deficiencies of Zn, Fe, Cu, B, Mo, Mn. Classification of Ca, Mg, S fertilizers, Nutrient sources, formation, application in soil.	Manufacture of urea and its application in soil	Yes	6	Conducted						
		4	6	Vermicompost prep, Vermiculture, Vermiwash, Manufacturing of DAP, SSP, MOP, SOP - their properties, Concepts of soil fertility evaluation.	Classification of secondary nutrients and sources	Yes	6	Conducted	Assignment		Yes			
		5	3	Preparation of enriched FYM, Complex fertilizers - physical and chemical properties.	Manufacture of HOP, SOP and their properties	Yes	3	Conducted	Assignment		Yes			


Signature of the Lecturer

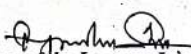

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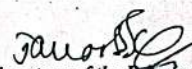

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ANNUAL CURRICULAR PLAN 2022- 2023

ANNUAL CURRICULAR PLAN 2022- 2023														
Name of the College : A.M.A.L. College, Anakapalle						Name of the Department : B. Voc. Agriculture II Year, III Sem								
Name of the Lecturer : Ch. Kavya Sree						Class Year : 2022				Paper : Health and Hygiene				
Sl.No.	Month	week	Hours Available	Syllabus Topic	Additional Input/ Value Addition Provided	Curricular Activity				Co - Curricular Activity				Remarks
						Activity Conducted	Hours allotted	Whether conducted	If not, alternate date	Activity Conducted	Hours allotted	Whether conducted	If not, alternate date	
1.	November - 2022	1	2	Nutrition- Importance, Malnutrition balanced diet , Carbohydrates- functions, dietary sources.	Importance of nutrition and its functions	Yes	2	Conducted		Assignment		Yes		
		2	2	Lipids and proteins - functions and dietary sources. Vitamins and minerals, functions, effects of deficiency.	Malnutrition balanced dietary sources	Yes	2	Conducted						
		3	2	Importance of water - sources, requirements , health education- principles and strategies	Important function of vitamin and minerals	Yes	2	Conducted						
		4	2	Health policy and health organizations . National health mission and its programme features.	Health education principles and strategies	Yes	2	Conducted						


Signature of the Lecturer


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A.M.A.L.COLLEGE, ANAKAPALLE

Name of the Lecturer Ch. Kavya Sree

Department : B-Voc-Agriculture Month : November 2022

Date / Day	Class / Section	Period	Medium	Theory / Practical	Topics Covered	Methodology Adapted	No. of Students Attended	Teaching Aids Used	Student Activity Conducted	Remarks
05/11/2022 (Sat)	1 st Agri	2 nd	English	Theory	Significance of Mitosis	Lecture	30	Black board		
	2 nd Agri	3 rd	English	Theory	Beneficial elements - Nutrient interactions.	Lecture	34	-do-		
07/11/2022 (Mon)	2 nd Agri	5/6 th	English	Practical	Introduction to Analytical instruments and principles	Lecture Images	30	- do - Images from google		
08/11/2022 (Tue)	1 st Agri	3/4 th	English	Practical	Cell organelles and its functions.	Lecture	30	Charts		
	2 nd Agri	5 th	English	Theory	Fertilizers - classification, sources, properties and reactions of Nitrogen, Phosphorus, Potassium	Lecture (Table)	25	Black board	Assignment	
09/11/2022 (Wed)	2 nd Agri	4 th	English	Theory	Lipids and proteins - functions and dietary sources.	Lecture	26	- do -		
	1 st Agri	6 th	English	Theory	Meiosis cell division and significance, difference b/w Mitosis and Meiosis.	Lecture	20	Charts		

A.M.A.L.COLLEGE, ANAKAPALLE

Name of the Lecturer Ch. Kavya Sree

Department : B-Voc-Agriculture Month : November 2022

Date / Day	Class / Section	Period	Medium	Theory / Practical	Topics Covered	Methodology Adapted	No. of Students Attended	Teaching Aids Used	Student Activity Conducted	Remarks
10/11/2022 (Thu)	2 nd Agri	2 nd	English	Theory	Manufacture of urea, NH_4SO_4 , and their properties.	Lecture	29	Black board		
	1 st Agri	4 th	English	Theory	DNA - structure, function and types.	Lecture	19	- do -	Poster	
	2 nd Agri	5 th	English	Theory	Vitamin and minerals - functions, effects of deficiency	Lecture	29	- do -		
11/11/2022 (Fri)	2 nd Agri	3 rd	English	Theory	Secondary nutrient, functions, deficiencies, toxicities of Ca, Mg, S	Lecture	29	- do -		
	1 st Agri	6 th	English	Theory	DNA - replication methods and types.	Lecture	19	- do -	Poster making	
12/11/2022 (Sat)	1 st Agri	2 nd	English	Theory	Structure of RNA and its types.	Lecture	20	- do -		
	2 nd Agri	3 rd	English	Theory	Nutrient sources, forms, mobility, transformations of Co, S, Mg	Lecture	30	- do -		
14/11/2022 (Mon)	2 nd Agri	5/6 th	English	Practical	Compost making - Aerobic, anaerobic methods.	Lecture	34	Images shown		

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Proforma for Teaching Notes

Name of the Department	B. Voc. - Agriculture
Name of the Lecturer	ch. kavya sree
Course / Group	Agriculture
Paper	Fundamental of Genetic
Name of the Topic	Significance of mitosis.
Hours required	1.
Learning Objectives	To know about mitosis
Previous knowledge to be reminded	Yes
Topic Synopsis	→ mitosis an important role in the life of living organisms in various. → development of a zygote into adult organism after fusion of male and female gametes. → normal growth and development living organism. → definite shape to a specific organism.

Topic Synopsis	→ new organs like roots, leaves, stems and branches. → repairing of damaged parts. → repair mechanism by replacing the old, decayed and dead cells and thus its help to overcome ageing of the cells.
Example / illustrations	Illustrations from google, charts
Additional inputs	Fundamentals of genetics and its significance.
Teaching Aids used	Black Board.
References cited	Fundamentals of Genetics, B-D. Singh
Student Activity planned after the teaching	Assignment
Activity planned outside the Class room. If any	
Any other activity	4.1.2020

Commissionerate of Collegiate Education. A.P.

Proforma for Teaching Notes

Name of the Department	B. VOC - Agriculture
Name of the Lecturer	Ch. Kavya Sree
Course / Group	Agriculture
Paper	manures, fertilizers and soil fertility management.
Name of the Topic	Beneficial element - nutrients & principle.
Hours required	1.
Learning Objectives	To know about beneficial elements
Previous knowledge to be reminded	Yes
Topic Synopsis	→ essential trace elements include boron (B), chlorine (Cl), copper (Cu), iron (Fe), manganese (Mn), sodium (Na), zinc (Zn), molybdenum (Mo) and Nickel (Ni) → Beneficial mineral elements include silicon (Si) & Cobalt (Co). → Beneficial elements are the mineral elements which stimulate the growth and have beneficial effect even at very low concentration.

Topic Synopsis	→ The beneficial element is particular taxa. → These beneficial elements have been reported to enhance resistance to biotic stresses such as pathogens & herbivory. → Better understanding
Example / illustrations	Examples from google.
Additional inputs	N, P, K mobility and its fixation
Teaching Aids used	Black Board.
References cited	Introduction to Soil Science, Ron Schultz
Student Activity planned after the teaching	
Activity planned outside the Class room. If any	
Any other activity	4.11.2020

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Proforma for Teaching Plan

Name of the Department	B. VOC. Agriculture.
Name of the Lecturer	Ch. Kavya sree
Course / Group	Agriculture
Paper	Health and hygiene
Name of the Topic	Lipids and proteins - function & dietary sources
Hours required	1
Learning Objectives	To know about lipids and proteins
Previous knowledge to be reminded	Yes
Topic Synopsis	→ Body fat is a reservoir of potential chemical energy. → The reserved fats are readily available in the times of restricted nutrition → Lipids are structural components of membrane, help in cell permeability and cell organization. → Lipid function as carriers of essential compounds.

Topic Synopsis	→ Fat provide sulphur to many organs such as heart, kidney and intestine ⇒ phospholipids in mitochondria are responsible for electron transport chain components. ⇒ removal of cholesterol from the body by participating.
Example / illustrations	Illustration from google
Additional inputs	Balanced dietary sources
Teaching Aids used	Black Board.
References cited	Health and hygiene Ramisivananda
Student Activity planned after the teaching	
Activity planned outside the Class room. If any	
Any other activity	

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