

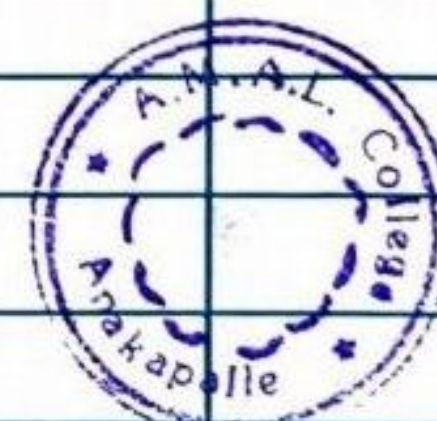
A.M.A.L.COLLEGE, ANAKAPALLE

Name of the Lecturer

K. Jyoneswari

Department : PA Chemistry Month : February 2021

Date / Day	Class / Section	Period	Medium	Theory / Practical	Topics Covered	Methodology Adapted	No. of Students Attended	Teaching Aids Used	Student Activity Conducted	Remarks
24/02/2021 (Wednesday)	M.SC (Pre)	2nd 3rd	E-M	Theory	Chemical Potential, Clausius - Clapeyron equation.	Lecture method	38	Blackboard		
25/02/2021 (Thursday)	M.SC (Pre)	1st 4th	E-M	Theory	Gibbs-Duhem, Duhem-margules equation.	"Pure Lecture method"	39 40	" "		
26/02/2021 (Friday)	M.SC (Pre)	1st 4th 5th up to 3:30 pm	E-M	Theory	Nernst heat theorem, application. Third law of Thermodynamics, Determination of absolute entropy, Limitations of 3rd law of T.D's, problems related to T.D's.	" "	40 40 40	" "		
27/02/2021 (Saturday)	M.SC (Pre)	4th, 5th up to 3:30 pm			problems related to Thermodynamics, previous questions discussed.	"	26	"	Unit Test	
28/02/2021 <i>Admission on 01/03/2021</i>					← SUNDAY →					



Principal
A.M.A.L. College
ANAKAPALLE

ANNUAL CURRICULAR PLAN 2020-2021

Name of the College : A.M.A.L. College, Anakapalle

Name of the Lecturer : K. JNYANESWARI

Name of the Department : PG Chemistry

Year : M.Sc (previous) sem - I

Paper : IV Physical Chemistry

Class

Additional
Input / Value
Addition
Provided

Curricular Activity

Co - Curricular Activity

Activity
ConductedHours
allottedWhether
conductedIf not,
alternate
dateActivity
ConductedHours
allottedWhether
conductedIf not,
alternate
date

Remarks

Sl.No.	Month	week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided	Activity Conducted	Hours allotted	Whether conducted	If not, alternate date	Activity Conducted	Hours allotted	Whether conducted	If not, alternate date	Remarks
1	Feb 2021	1st	4	Thermodynamics :- Chemical equilibrium - effect of temperature on equilibrium constant - Vanthoff's equation. Partial molar quantity.		Conducted	04	Yes						Yes covered
2		2nd	4	Different methods of determination of partial molar quantity. Chemical potential, phase rule & its derivation.		Conducted	04	Yes		Assignment	01	Yes		Yes covered
3		3rd	4	Gibbs - Duhem equation, Duhem - Margules equation, Clausius - Clapeyron equation. Nernst heat theorem.		Conducted	04	Yes						Yes covered
4		4th	4	Third law of thermodynamics, determination of the absolute entropy, Apparent exceptions to Third law of Thermodynamics.		Conducted	04	Yes		Unit Test	01	Yes		Yes covered
5		-	-	-										

K. Jnyaneswari.

Signature of the Lecturer

A.S. S.

Signature of the Lecturer In-charge

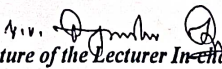


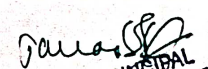
Ramesh

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

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						

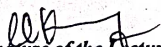

Signature of the Lecturer

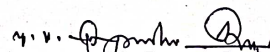

Signature of the Lecturer In-charge

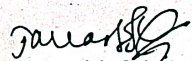

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ANAKAPALLE

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 SO ₄ 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 MOP, SOP and their properties	Yes	3	Conducted	Assignment		Yes				

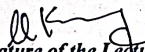

Signature of the Lecturer

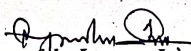

Signature of the Lecturer In-charge

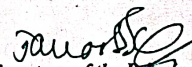

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A.M.A.L. COLLEGE
ANAKAPALLE

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


Signature of the Lecturer In-charge


Signature of the Principal
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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)	26	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_4SCN , 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	Vitamins 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, transformation 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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A.M.A.L.COLLEGE
ANAKAPALLE

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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 - for particular taxa. → These beneficial element have been reported to enhance resistance to biotic stresses such as a pathogen & 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

Commissionerate of Collegiate Education. A.P.

Proforma for Teaching Plan

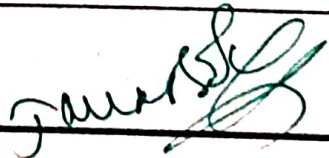
Name of the Department	B. VOC. Agriculture.
Name of the Lecturer	Ch. Kavya sree
Course / Group	Agriculture
Paper	Health and hygiene
Name of the Topic	Lipids and proteins - function & dietary sources
Hours required	1
Learning Objectives	To know about lipids and proteins
Previous knowledge to be reminded	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	→ Fats 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	PRINCIPAL

Commissionerate of Collegiate Education. A.P.

Proforma for Teaching Plan July 21

Name of the Department	Mathematics
Name of the Lecturer	D. W. J. Victor
Course / Group	B Sc / MPC & Maths
Paper	IV
Name of the Topic	Limits and Continuity
Hours required	5
Learning Objectives	
Previous knowledge to be reminded	Limits concept, some basic formulas Left limit and Right limit of f
Discontinuity criterion	Let $f: S \rightarrow R$ be a function and $a \in S$ then f is not continuous at a iff $\exists$ a sequence $\{x_n\}$ in S such that $\lim_{n \rightarrow \infty} x_n = a$ but not $\lim_{n \rightarrow \infty} f(x_n) = f(a)$
Topic Synopsis	Kind of and Discontinuity (A) Removable Discontinuity: If $\lim_{x \rightarrow a} f(x)$ exists and $\lim_{x \rightarrow a} f(x) \neq f(a)$ or $f(a)$ is not defined, then we say that f has removable discontinuity at a. Ex: $f(x) = \frac{x^2 - 4}{x - 2}$ $\forall x \neq 2$ and $f(x) = 0$ for $x = 2$ (B) Jump Discontinuity: If $\lim_{x \rightarrow a+} f(x)$ and $\lim_{x \rightarrow a-} f(x)$ exist and $\lim_{x \rightarrow a+} f(x) \neq \lim_{x \rightarrow a-} f(x)$ then we say that f has jump discontinuity. Consider $f(x) = x - [x]$ at $x = 1$

<u>Absolute minimum and maximum</u> Topic Synopsis <u>Theorem</u> : <u>Theorem</u> :	a point $x_0 \in S$ such that $f(x_0) \geq f(x) \forall x \in S$. we say that $x_0 \in S$ is an absolute maximum point of f on S. A function $f: S \rightarrow \mathbb{R}$ is said to have an absolutely minimum on S. If $\exists$ a point $x_0 \in S$ s.t. $f(x_0) \leq f(x) \forall x \in S$. we say that $x_0 \in S$ is an absolute minimum point of f on S. If $f: [a, b] \rightarrow \mathbb{R}$ is continuous on $[a, b]$, then f is bounded on $[a, b]$ and attains its bounds of infimum and supremum. If f is continuous on $[a, b]$ and M is supremum of f on $[a, b]$ then $\exists c \in (a, b)$ s.t. $f(c) = M$.
Example / illustrations	① $f(x) = x^2$ is continuous and bounded on $[-1, 1]$. $f(x)$ will attain min $= 0$ at $\inf = 0$. ($-1 \leq x \leq 1 \Rightarrow 0 \leq x^2 \leq 1$) ② $f(x) = \frac{x}{x+1}$ is continuous and bounded on $(0, 1)$. $f(x)$ does not attain min $= 0$ at $\inf = 0$. $\sup = 1/2$
Additional inputs	Supremum and infimum of a function. Boundedness
Teaching Aids used	Black Board, Whiteboard, projector, personal YouTube channel.
References cited	Chanthi Narayana
Student Activity planned after the teaching	Remedial class Student Seminar, Quiz.
Activity planned outside the Class room. If any	
Any other activity	



Estd : 1953

A.M.A.L. COLLEGE

NAAC B⁺⁺ Grade Institution
ANAKAPALLE - 531 001. Viakhapatnam Dist.

TEACHING DIARY

Name : D. W. J. Victor

Designation : Associate Professor

Department : Mathematics

Academic Year : 2021 - 2022

A.M.A.L. COLLEGE, ANAKAPALLE

Name of the Lecturer: D. W. J. Victor

Department: Maths

Month: Aug-24

Date / Day	Class / Section	Period	Medium	Theory / Practical	Topics Covered	Methodology Adopted	No. of Students Attended	Teaching Aids Used	Student Activity Conducted	Remarks
29.8.24 Wed	I BKEH	2	Eng	Theory	Geometry of the lines, vector plane, normals and shortest distances	Lecture	29	Blackboard		
30.8.24 Thurs	I BKEH	1	Eng	Theory	Angle between a line and a plane, distance of a point from a plane, distance between two parallel planes	"	18	"		
	I BKE	1,3,5,6	Eng	Theory	Homomorphisms, groups and normal subgroups	"	29, 29, 16, 16	"		Handwritten notes
2.10.24 Fri	IBKEH	2,5	Eng	Theory	Week by group conducted, understanding in architecture of line and a plane	"	29, 23	"		Handwritten notes
	IBKE	2,6	Eng	Theory	Normal and I do not, distance of a point from a plane and the distance	"	12, 14	"		Handwritten notes
2.10.24					Gandhi Jayanthi					
3.10.24					Sunday					
4.10.24 Mon	IBKE	1	Eng	Theory	Vector Space and Subspace		14	"		
	IBKEH	5	Eng	Theory	Find the equation of the plane containing the lines		26	"		

A.M.A.L. COLLEGE, ANAKAPALLE

Name of the Lecturer: D. W. J. Victor

Department: Maths

Month: October-24

Date / Day	Class / Section	Period	Medium	Theory / Practical	Topics Covered	Methodology Adopted	No. of Students Attended	Teaching Aids Used	Student Activity Conducted	Remarks
5.10.24 Tue	II BKE	3	Eng	Theory	Properties of vector space and dot product	Lecture	29	Blackboard		Handwritten notes
	IBKEH	4	Eng	Theory	Find the equation to the plane containing the lines	"	28	"		Handwritten notes
6.10.24 Wed	IBKEH	3	Eng	Theory	Equation of lines, coplanarity of lines, cross product, examples and exercises	"	47	"		
7.10.24 Thurs	IBKEH	1	Eng	Theory	Equation of lines, coplanarity of lines, cross product, examples and exercises	"	22	"		
	III BKE	2,3,5,6	Eng	Theory	Theorem on subspace of $\mathbb{R}^3$ and $\mathbb{R}^n$ and $\mathbb{C}^n$	"	33, 33, 21, 21	"		Handwritten notes
8.10.24 Fri	IBKEH	2,5	Eng	Theory	Coplanarity, cross product, line and plane, distance from a point to a plane	"	37, 26	"		Handwritten notes
	III BKE	2,6	Eng	Theory	Theorem on subspace of $\mathbb{R}^n$ and $\mathbb{C}^n$	"	29, 11	"		Handwritten notes
9.10.24 Sat	III BKE	1	Eng	Theory	Line and plane, distance from a point to a plane	"	26	"		
	IBKEH	2	Eng	Theory	Coplanarity, lines, exercises	"	29	"		

Problems theory part of L.D. & two group work

ANNUAL CURRICULAR PLAN 2024- 2022

Name of the College : A.M.A.L. College, Anakapalle														
Name of the Lecturer : D. N. J. Victor						Name of the Department : Mathematics								
					Class	Year : Ist B.Sc				Paper : II (Sem II)				
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	October-21	1	1	The s.p. between two skew lines case (i), case (ii), case (iii). Length of the perpendicular from point to the line.	concurrent lines coplanar condition rectitude	Theory	01	conducted		-				covered
2		2	7	Intersection of three lines.	Projection on a Direct Line	Theory	6	conducted		Student Seminar	1	conducted		covered
3		3	2	Defn and equation of the sphere through four given points. plane section of a sphere.	symmetry at unsymmetrical line from	Theory	1	conducted		Problem Solving Session	1	conducted		covered
4		4	7	Intersection of two spheres. Equation of a circle. sphere through a given circle. power of a point tangent plane of a contact, conjugate planes.	intersection of normal form of the line or the go out condition	Theory	5	conducted		Student Seminar Recital class	1	conducted		covered
5		5	7	Intersection of a sphere and a line Angle between two spheres, Radical plane.		Theory	5	conducted		Recording class Weekly Test	1	conducted		covered

Signature of the Lecturer

Signature of the Lecturer In-charge

Signature of the Principal

A.M.A.L. COLLEGE ANAKAPALLE

Name of the Lecturer T.Nirvanjan Kumar

Department : Physics **Month :** August - 2018.

Date /	Class /			Theory /		Department : Physics	Month : August - 208,
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Date /	Class /			Theory /		Department : Physics	Month : August - 208,
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Date /	Class /			Theory /		Department : Physics	Month : August - 208,
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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
	28.8.18	II BSc E	2	Eng	Theory	Non Parallel film. Interference	Lecture		Black box		
		II BSc B	5.6.7	Tel	Practical	Practical	Demonstrations		Charts, models	Assignment	
									Practicals		
	29.8.18	II BSc B	1	Tel	Theory	Spherical aberration due to Curves	Lecture		AB charts		
		II BSc E	4	Eng	Theory	Fringes with & w/o wedge prism & surface curvature principle experiment	Lecture		models		
		II BSc E	5.6.7	Eng	Theory	uncertainty Principle exp.	Lecture		"	Senior's conducted	
	30.8.18	II BSc B	1	Tel	Theory	Coma, astigmatism. Interference fringes with	Lecture		"		
		II BSc A & B	2	Tel	Theory	uncertainty principle exp.	Lecture		"		
		II BSc B	4	Eng	Theory	Determination of thickness of BP.	Lecture		"		
		II BSc A	5.6.7	Tel	Practical	Dispersive power	Demonstrations		Practicals		
	31.8.18	II BSc A & B	2	Tel	Theory	Schrodinger wave equation	Lecture		BB charts		
		II BSc A & B	4	Tel	Theory	Optical Biprism.	Lecture		models	Group Discussion	
		II BSc A & B		Tel	Theory	Time dependent Schrodinger eqn.	Lecture		"	Assignment	



Estd : 1953

A.M.A.L. COLLEGE

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

TEACHING DIARY

Name : T. Niranjan Kumar

^B
Designation : Lecturer.
Designation

Department : Physics

Academic Year : 2018-19

Commissionerate of Collegiate Education. A.P.

Proforma for Teaching Plan

Name of the Department	PHYSICS
Name Of the Lecturer:	T. NIRANJAN KUMAR
Course/Group	III B.Sc.
Paper	VII
Name of the Topic	Introduction to Energy, Environmental effects.
Hours required	12
Learning Objectives	
Previous knowledge to be reminded	Energy forms of Energy.
Topic Synopsis	Definition and units of energy. Power, Conservation of energy, Second law of Thermodynamics, Energy flow Diagram. to the Earth. Environmental Degradation due to energy Production and utilization air and water pollution, depletion of ozone layer, global warming, Biological damage due to environ- mental degradation effects of Pollution due to Thermal, Nuclear, Hydro Power Stations.

Examples/illustrations	PHYSIC C. KIRANABAN T
Additional inputs	2.8.21
Teaching Aids used	Ball Bords
References cited	Renewable energy sources / G.D. Ray
Student Activity planned after the teaching	Seminar
Activity planned outside the Class room. If any	
Any other activity	

James

ANNUAL CURRICULAR PLAN 2015 - 2016

Name of the College : A.M.A.L. College, Anakapalle

Name of the Department : PHYSICS

Name of the Lecturer : T. ANIRUDHAN KUMAR

Class

Year : 2017-2018

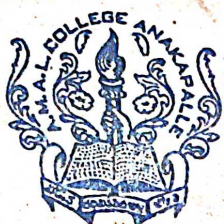
Paper : Renewable Energy

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												
2		2	4	Introduction to Energy Definition Energy, Power, Forms of Energy, Energy Flow diagrams.		lecture note	3	yes		Quiz	1	yes		Covered
3		3	4	Environmental effects, air, water, pollution, Depletion of ozone layer, global warming, pollution etc.		lecture note	3	yes		Seminar	1	yes		Covered
4		4	4	Thermal, nuclear, hydroelectric power Metamorphology and environment.		lecture note	3	yes		G.P.	1	yes		Covered

Signature of the Lecturer

Signature of the I/C

Signature of the Principal



Estd : 1953

A.M.A.L. COLLEGE

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

TEACHING DIARY

Name : K. V. S. MAHESWARA RAO

Deignation : Sr. Lecturer

Department : English

Academic Year : 2018-2019



Estd : 1953

A.M.A.L. COLLEGE

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

TEACHING DIARY

Name : K. V. S. MAHESWARA RAO

Deignation : Sy. Lecturer

Department : English

Academic Year : 2018-2019

A.M.A.L. COLLEGE ANAKAPALLE

Name of the Lecturer K.V.S. Maheswar Rao

Department: English

Month: July

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
17.	19.07.18	II B.Sc ABC	2	Telugu	Theory	The Interpreter of Maladity	Lecture	75	Black Board	Self Introduction	
	Thursday										
		II B.Sc ABC	5	English	Theory	The Lost Child	Lecture	67	Black Board	Self Introduction	
18.	20.07.18	II B.Sc ABC	3	Telugu	Theory	The Interpreter of Maladity	Lecture	75	Black Board	Group Discussion	
	Friday										
		II B.Sc EIT	1	English	Theory	The Interpreter of Maladity	Lecture	60	Black Board	Group Discussion	
		II B.Sc ABC	4	Telugu	Theory	The Lost Child	Lecture	70	Black Board	Role Play	
19.	21.07.18	II B.Sc ABC	2	Telugu	Theory	The Interpreter of Maladity	Lecture	70	Black Board	Group Discussion	
		II B.Sc	5	English	Theory	The Interpreter of Maladity	Lecture	65	Black Board	Group Discussion	
	22.07.18	Sunday				- Sunday Holiday -					
20.	23.07.18	II B.Sc	1	Telugu	Theory	The Interpreter of Maladity	Lecture	70	Black Board	Role Play	
	Monday	II B.Sc ABC	2	Telugu	Theory	The Interpreter of Maladity	Lecture	65	Black Board	Role Play	
		II B.Sc	3	Telugu	Theory	The Lost Child	Lecture	70	Black Board	U.D	
		II B.Sc EIT	6	English	Theory	The Lost Child	Lecture	67	Black Board	U.D	

Commissionerate of Collegiate Education. A.P.

Proforma for Teaching Plan 2018-2019

Name of the Department	English
Name Of the Lecturer:	A. RAVINDRA
Course/Group	II Degree, III Semester
Paper	English
Name of the Topic	Communication and Soft Skills
Hours required	12
Learning Objectives	To understand, writing and speaking skills.
Previous knowledge to be reminded	Earlier Exercises.
Topic Synopsis	<u>Speaking Skills</u> Conversational Skills Interview Skills Presentation Skills Public Speaking Skills. Role play Debate Group discussion. <u>Writing Skills</u> Spelling Punctuation Information Transfer

Commissionerate of Collegiate Education. A.P.

Proforma for Teaching Plan 2018-2019

Name of the Department	English
Name Of the Lecturer:	A. RAVINDRA
Course/Group	II Degree, III Semester
Paper	English
Name of the Topic	Communication and Soft Skills
Hours required	12
Learning Objectives	To understand, writing and speaking skills.
Previous knowledge to be reminded	Earlier Exercises.
Topic Synopsis	<u>Speaking Skills</u> Conversational Skills Interview Skills Presentation Skills Public Speaking Skills. Role play Debate Group discussion. <u>Writing Skills</u> Spelling Punctuation Information Transfer

Examples/illustrations	C.D. Exercises
Additional inputs	Multiple exercises
Teaching Aids used	Blackboard
References cited	CSS. Text. books
Student Activity planned after the teaching	Speaking, Writing.
Activity planned outside the Class room. If any	Interaction with others in English
Any other activity	Role play

Tane *YSL*

Examples/illustrations

Reticular connective tissue,
cartilage and blood.

Additional inputs

Various types of tissues and organs.

Teaching Aids used

charts and Images

References cited

Google

Student Activity planned after the Teaching

Assignment and Seminar

Activity planned outside the Class room, if any

Study Project

Any other activity



Sana R S
PRINCIPAL
A.M.A.L. COLLEGE
ANAKAPALLE

2022 Feb
III Sem

ANNUAL CURRICULAR PLAN 2021-2022

Name of the College : A.M.A.L. College, Anakapalle					Name of the Department : Zoology									
Name of the Lecturer :					Year : 2022 3rd Sem					Paper : I Cell Biology, Genetics, Md. Bio & Evol.				
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.	F	1	2	Str. & functions of Lysosomes, Ribosomes, Mitochondria, Nucleus, Str. Eukaryotic cell & organelles		Theory	T-2 P-2	yes		Assignment		yes		Covered
	G	2	3	Str. & functions of chromosomes, Mendel's transmission traits, Mendel's laws of Inheritance		Theory	T-3 P-2	yes		Seminar		yes		Covered
	R	3	3	Gene Interaction - Incomplete dominance, Codominance, Lethal genes, Multiple Alleles		Theory	T-3 P-2	yes		Assignment		yes		Covered
	A	4	3	Sex determination, sex-linked inheritance, X-linked		Theory	T-3 P-2	yes						Covered
	Y	5	1	Sex linked inheritance, X-Y-linked inheritance		Theory	T-1	yes		Assignment		yes		Covered

P. Sujanya
Signature of the Lecturer

(Signature)
Signature of the Lecturer In-charge



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

A.M.A.L.COLLEGE, ANAKAPALLE

Name of the Lecturer Dr. P. Sowjanya Department : Zoology Month : Jan

Date / Day	Class / Section	Period	Medium	Theory / Practical	Topics Covered	Methodology Adapted	No. of Students Attended	Teaching Aids Used	Student Activity Conducted	Remarks
28-01-22 Fri	II Inkr	2nd 3rd	EM&TM	Practical	Record sheet verification conducted test on multiple Albellas.	Evaluation	28		written test	covered
31-01-22 Mon	III B.Sc	2 nd	EM&TM	Theory	Basic concepts of Immunology	Black Board	30			
	II B.Sc	3 rd	EM&TM	Theory	Introduction					
	III B.Sc	5 th	EM&TM	Theory	sex linked inheritance	Lecture				
	II B.Sc	4 th	EM&TM	Theory	Principles to be observed in harvesting fish	Lecture				
1-02-22 Tue	II Inkr	1 st	EM&TM	Theory	Genetic Disorders Mendelian disorders	Lecture		B.B	L.O.W	covered
	III B.Sc	2 nd	EM&TM	"	cells of immune sys, organs	Lecture	18	B.B	L.O.W	covered
					Types of Immunity	Lecture	19	B.B	L.O.W	covered
	III B.Sc	3 rd	EM&TM		Rogor Matrix					
	cluster									

Name of the Lecturer Dr. P. Sowjanya Department : Zoology Month : February

Date / Day	Class / Section	Period	Medium	Theory / Practical	Topics Covered	Methodology Adapted	No. of Students Attended	Teaching Aids Used	Student Activity Conducted	Remarks
2-02-22 Wed	II B.Sc	1 st	"	"	Introduction to cell Biology	Lecture	25	B.B	L.O.W	covered
	III B.Sc	2 nd	"	"	Fish spoilage, handling principles	Lecture	30	B.B	L.O.W	covered
	cluster				relating to sea fish catch	Lecture			Assignment	covered
	II Inkr	4 th	"	"	chromosomal disorders					
	I B.Sc	5 th , 6 th	"	Practical	conducted Test and spotters	Lecture	28	B.B	L.O.W	covered
3-02-22 Thurs	II Inkr	1 st	"	Theory	chromosomal disorders	Lecture		B.B	L.O.W	covered
	III B.Sc	2 nd	"	"	Innate Immunity	Lecture	32	B.B	L.O.W	covered
	I B.Sc	3 rd	"	"	corals					
	II Inkr	4 th	"	"	disorders					
4-02-22 Fri	I B.Sc	1 st	EM	"	corals & Coral Reefs	Lecture	31	B.B	L.O.W	covered
	II Inkr	2 nd , 3 rd	"	Practical	Test and Record verification					
	III B.Sc	4 th	E&T	Theory	traditional methods of fish food preservation	Lecture	33	B.B	L.O.W	covered
	I B.Sc	5 th	"	"	plasma	Lecture	31		Assignment	covered



Estd : 1953

A.M.A.L. COLLEGE

NAAC B++ Grade Institution
ANAKAPALLE - 531 001, Viakhapatnam Dist.

TEACHING DIARY

Dr. P. Sowjanya

Name : V. PRAKASH RAO

Designation : Lecturer

Department : ZOLOGY

Academic Year : 2020-21

[illegible]

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Page: 4/10

Ex. *Antennaria* may have symmetrical, bilabed

1. Which country does it? 1. and 1. 1st. 1st.

2. English: the structure and functions of the respiratory system and the circulatory system

2. Exercises very hard / impossible, 1995

1. Vi sono ancora bambini che lavorano?

2. Value is shared by people who value things in a particular

2. There is a large sea of galaxies and dust out the horizon extending to 10^{26} m and 10^{26} g.

1. ~~Find the New Strategy~~

5. Is your house at sea level?

2. Endomorphs (skin loose) type of skin

2. ... *see appropriate for the problem statement*

6. The measurement of absorption of chlorophyll *a* in a sample of green leaves

Polymers are long chains of repeating units called

2. (continued) explain if $\text{REPERF} = \text{no}$ in the context of ...

6. Explain the importance of the ... of the trial (reorganization) show

7. *Explain the importance of the following:*

6. *Asperula rubra* L. *Asperula rubra* L.

9. ~~818~~ ~~1818~~

10. (10) RESEARCH and REPORT are the two main parts of the assignment.

A.M.A.L. COLLEGE
B. VOCATIONAL AGRICULTURE
IV SEMESTER 2021-22 BATCH
MID SEMESTER EXAMINATION

SUBJECT: PRINCIPLES OF ORGANIC FARMING

TIME: 1½ HRS

A. Answer any one question. 10M

1. What are the Government policies on promoting Organic Farming?
2. Write about the principles of Organic Farming?

B. Answer any two Questions. 10M

1. Define composting, list out different methods and explain Indore method briefly.
2. Write about Zero Budget Natural Farming along with benefits.
3. Write about the relevance of organic farming to Indian Agriculture.

C. Fill in the Blanks

1. Full form of IFOAM
2. Lampkin defined the organic farming in year.
3. Materials of jeevamrutha are
4. Full form of NPOP
5. Most commonly used organic manure in India is
6. The process of decomposing organic waste is called
7. Percent composition of N, P and K in Groundnut edible oil cake,, and
8. An excellent source of organic phosphorus is
9. Indore method of composting discovered by Scientist.
10. Full form of FAO

A.M.A.L COLLEGE, ANAKAPALLI
DEGREE MID I EXAMNATIONS

II BCOM

AUDITING

IV SEM

TIME: 1 ½ HRS

MARKS: 30

I. WRITE ANY TOW OF THE FOLLOWING QUESTIONS. 2x10=20

1. Define Auditing, Explain its features and discuss its objectives.
2. Distinguish between Auditing, Accountancy.
3. Explain the various types of Audits.
4. Distinguish between continues Audit and Periodical Audit.

II. WRITE ANY TOW OF THE FOLLOWING QUESTIONS. 2x5=10

1. Explain various types of errors.
2. Explain scope of Audit.
3. Define cost Audit.
4. Define financial Audit.

A.M.A.L COLLEGE , ANAKAPALLE

I MID EXAMINATION 2022-23

V- SEMESTER MATHEMATICS PAPER – VII-A

MATHEMATICAL SPECIAL FUNCTIONS

TOTAL : 30M

SECTION-A

Answer any one of the following questions.

1x10=10

1. Prove that $\beta(m, n) = 2 \int_0^{\pi/2} \sin^{2m-1} \theta \cos^{2n-1} \theta d\theta$.
2. Show that $\frac{1-xt}{1-2xt+t^2} = \sum_{n=0}^{\infty} T_n(x)t^n$.
3. Prove that $e^{2tx-t^2} = \sum_{n=0}^{\infty} \frac{t^n}{n!} H_n(x)$.

SECTION-B

Answer any two of the following questions

2x5=10

4. State and prove Rodrigues formula for $H_n(x)$.
5. Show that $T_{n+1}(x) - 2x T_n(x) + T_{n-1}(x) = 0$.
6. Obtain Generating function for $H_n(x)$.
7. $\int_{-\infty}^{\infty} x^2 e^{-x^2} \{H_n(x)\}^2 dx = \pi 2^n n! \left(n + \frac{1}{2}\right)$

SECTION-C

Answer any five of the following questions.

5x2=10

8. $\int_0^{\infty} e^{-x^2} dx = \sqrt{\frac{\pi}{2}}$.

9. Compute $\sqrt{\frac{11}{2}}$.

10. Evaluate $\int_0^1 x^5 (1-x)^3 dx$.

11. Evaluate $\int_0^{\pi/2} \sin^5 \theta \cos^7 \theta d\theta$.

12. Evaluate $\int_0^{\infty} x^2 e^{-x^2} dx$.

13. Express the following integral in terms of Beta function

$$\int_0^1 \frac{x}{\sqrt{1-x^2}} dx$$

14. Evaluate $\int_0^{\infty} \frac{x^4(1+x^5)}{(1+x)^{15}} dx$.

A.M.A.L. College, Anakapalli

A.U. Mid Semester Examinations -Jan,2023

IIInd B.com 3rd Semester

Advanced Accounting

Time:1-1/2hrs

Max.Marks30

Section A

Answer **ONE** question

1 X 10=10

1. How to prepare income and expenditure account.

(or)

2. Srinu keeps his books on p single entry system and he gives you the following information. His capital on 31/12/2022 rs 22,440 and on 1/1/2022 rs 23040. He gave a loan 4200 to his brother X, and he withdraw 360 per month for personal purpose. The rent of his residential flat 120 per month. Electricity charges 12 rs per month were paid from business account. He sold his government bonds of rs 2400 of 3% premium and put that money in business. Ascertain his profit and loss account.

Section B

Answer any **TWO** questions

2 X 5= 10

3. explain distinguish between receipts and payment account and income and expendix account.

4. what do you mean by single entry system.

5. show the model entries in the books of buyer.

6. Mr.Ravi keeps his books on single entry system and gives you the following information prepare statement of profit and loss account for the year ended on 31/12/2022.

On 01/01/2022 capital was rs 4,50,000

On 31/12/2022 capital was rs 7,00,000

Drawings 50,000

Additional capital was 70,000

Section C

Answer **ALL** questions

5x2=10

7. Types of donations

8. Double entry system

9. Section 8 of companies act.

10. Opening capital 4,00,000

Closing capital 3,80,000

Drawings 800 per month

11. Higher purchase system