

A.S.D GOVT. DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF BOTANY

List of Additional Inputs , BOS changes & Revision Topics for the year 2021-2022

s.no	Semester	Paper title	Bos changes	Remarks	% change in BOS
1	I- unit 1	Origin of life and viruses	Fossil bryophytes	Suggested by Subject expert	10%
2	1 -unit 3	fungi	symptoms of plant diseases caused by fungi	Suggested by Subject expert	10 %
3	III - unit-1	Anatomy & Embryology of Angiosperms	- Nodal Anatomy and Floral Anatomy	Suggested by Subject expert	10%
4	IV- Paper – V Unit -5	Cell Biology Genetics & Plant BreedingPlant breeding	Hybrid Vigour	Suggested by Industry expert	10 %
5	V- paper 5	Cell Biology Genetics & Plant BreedingPlant breeding	Organization of DNA in a Chromosome	Suggested by Subject expert	10%
6	VI paper - VII	Nursey Gardening & Floriculture	Ornamental palms	Suggested by Industry expert	10%

Signatures

1. 

2. 
LECTURER IN BOTANY
GOVT. DEGREE COLLEGE
MANDAPETA-533 308

3. 





A.S.D GOVT.DEGREE COLLEGE FOR WOMEN (A), KAKINADA

Department of Commerce

List of Additional Inputs, BOS changes & Revision Topics (2021-2022)

S.No	Semester	Paper Title	BOS Changes	Remarks	% change in BOS
1	I	Entrepreneurship Development	Government schemes to promote Entrepreneurship	Additional knowledge	5%
2	I	Business Organization and Management	Decision-making and Control	With regards to Functions of Management	7%
3	II	Business Environment	New Industrial Policy	Under Factors influencing Business Environment	4%
4	III	Advanced Accounting	Partnership Act 1932,	Additional knowledge	6%
5	IV	Corporate Accounting	Introduction to Accounting Standards	Additional knowledge	5%
6	IV	Marketing	Introduction to Digital Marketing	Additional knowledge	5%
7	V	Costing	Budgeting	Under methods of Costing	6%
8	V	Goods and Service Act	Latest changes in GST Act	Additional Input	5%
9	VI	Auditing	Green Accounting	Additional knowledge	5%

R.R.W. Srinivas

H. Patil

A.V. Rao

K.N.D. Anilkumar

R. Venkateswari

N.P.V. L. Devi

A.S.D GOVT.DEGREE COLLEGE FOR WOMEN (A), KAKINADA

Department of Computer Science

List of Additional Inputs, BOS changes & Revision Topics

S.No	Semester	Paper Title	BOS Changes	Remarks	% change in BOS
1	II B.Sc(MPCs)	Paper 2: Data Structures using C	<ul style="list-style-type: none"> • Structured approach to Programming • Recursion • Tips and Techniques for writing programs in C • Pointers and Arrays • Quick Sort • Indexed Sequential search 	Necessary sorting and searching techniques are added in syllabus	10%
2	IV B.Sc(MPCs)	Paper 4: Object Oriented Programming through Java	<ul style="list-style-type: none"> • Zipping and Unzipping Files • Serialization of Objects • File copy, File Class, Counting Number of characters in a File • Retrieving data from MYSQL Database • Retrieving data from MS Access Database • Stored Procedures and Callable Statements • Types of Result sets 	Already unit IV and V contains vast Syllabus Proposed by subject expert	10%
3	IV B.Sc(MPCs)	Paper 5: Operating Systems	<ul style="list-style-type: none"> • Android Process Management and file system • Application Development using Android Development framework 	Suggested by subject expert	5%
4	III B.Com(CA)	Paper 3: Programming with C and C++	<ul style="list-style-type: none"> • Call by Reference 	The base for this topic i.e pointers not in the syllabus	5%
5	IV B.Com(CA)	Paper 4: Database Management Systems	<ul style="list-style-type: none"> • Procedures, Functions, Packages 	Suggested by subject expert	5%

A.S.D GOVT.DEGREE COLLEGE FOR WOMEN (A), KAKINADA

Department of Economics

List of Additional Inputs, BOS changes & Revision Topics (2021-2022)

S.No	SEM	Paper Title	BOS Changes	Remarks	% change in BOS
1	I	Paper I : Micro Economic Analysis	Law of Diminishing marginal Utility, Law of Equi Marginal utility	For better Understanding of the current topics	5%
2	II	Paper II : Macro Economic Analysis	Case Study of Life Insurance	For practical Experience on Insurance	5%
3	V	Paper V: Economic Development and Indian Economy	Performance of MGNREGS in East Godavari	Additional knowledge	6%
4	V	Paper VI: Indian and Andhra Pradesh Economy	Activities of Kakinada SEZ	Additional knowledge	6%
5	VI	Paper VII: Agricultural Economics	Agricultural Productivity with special reference to East Godavari District	Additional knowledge	5%
6	VI	Paper VIII A1: Agri Business Environment in Andhra Pradesh	Major Agricultural Exports of Kakinada sea port. Performance of APMCs in East Godavari District	Suggested by Industry expert	7%
7	VI	Paper VIII A2: Agricultural output marketing	Role of Andhra Pradesh State Warehousing Corporation in marketing of Agricultural output, NAFED	Additional knowledge	5%

K. Yashu
15.9.21

D. Venkatesh

G. Sankar Reddy

S. Venkatesh

V. Aewini

A.S.D GOVT.DEGREE COLLEGE FOR WOMEN (A), KAKINADA

Department of English

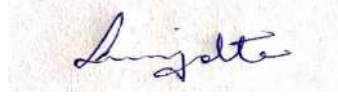
**List of Additional Inputs, BOS changes & Revision Topics
2021-2022**

S.No	Semester	Paper Title	BOS Changes	Remarks	% change in BOS
1	I	English Praxis Course-I A Course in Communication and Soft Skill	Communication and process of communication	Additional Input To know verbal and non-verbal communication	10%
2	II	English Praxis Course-II-A Course in Reading & Writing Skills	The Road not Taken by Robert Frost	Additional Input The message of the poem is how to face challenges in life	10%
3	III	English Praxis Course- III-A Course in Conversational Skills	Speech by Martin Luther King .Jr. - I Have a Dream	Additional Input To Speak fluently in English	10%

Signatures:

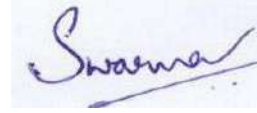
1. Ms, P. Sanjotha

Chair Person



2. Ms.Y.Swarna Sri

Member



3. Dr.T.Ashok

University Nominee



4. Mr. P.V. Krishna Rao

Subject Expert



5. Dr.M.Soma Raju

Subject Expert



6. S. Santhi Rajasri

Alumni



A.S.D GOVT.DEGREE COLLEGE FOR WOMEN (A), KAKINADA

Department of Hindi

List of Additional Inputs, BOS changes & Revision Topics

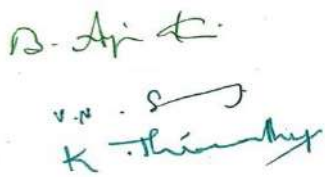
S.No	Semester	Paper Title	BOS Changes	Remarks	% change in BOS
1	1	Paper 1:Prose, Short Stories, Grammar and Letter writing.	Karak – Grammar topic	To understands easily Hindi Sentence formation	10%
2	3	Paper 3: Old and Modern Poetry, History of Hindi literature.	Prayojan Moolak Hindi	Suggest by Subject Expert	10%

1. ~~S. S. S.~~
2. ~~f. c.~~
3. ~~B. B. B.~~
4. ~~M. M. M.~~
5. B. Bharghate

**A.S.D.GOVERNMENT DEGREE COLLEGE (Women), (Autonomous),
KAKINADA DEPARTMENT OF HISTORY 2021-2022
List of Additional inputs, BOS changes & Revision Topics**

Sl.No	SEM	Paper Title	BOS changes	Remarks	% of changes in BOS
1	I	Ancient Indian History & Culture	1.Stone- Ages Old stone age, Middle stone age & New stone age 2. Persian & Greek invasions - Alexander	1.Continuity of syllabus 2.Topic continuity for Mauryan Period	10%
2	II	Medieval Indian History & Culture(1206-1764)	Md. Ghajini & Md. Gory	Topic continuity for Delhi sultanate	10%
3	III	Modern Indian History & Culture (1764-1947)	Sikhs in Punjab – Ranjit Singh	For the continuity of syllabus	10%
4.	IV	History of Modern Europe	Geographical discoveries in the world	For Topic continuity	10%

Signatures:

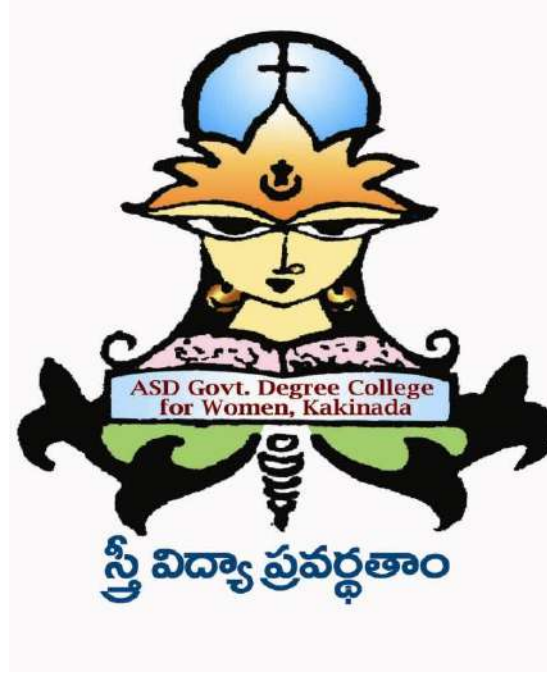


 B. Ar. S.
 V.N. S.
 K. Thimay

A.S.D.GOVERNMENT DEGREE COLLEGE FOR WOMEN (AUTONOMOUS)

JAGANNAICKPUR, KAKINADA, E.G.Dt.

(NAAC RE-ACCREDITED WITH 'B' GRADE)



BOARD OF STUDIES MEETING

2021-22

15-09-2021

DEPARTMENT OF HOME SCIENCE

A.S.D. Govt. Degree College for Women (A), Kakinada

Department of Home Science- BOS Meeting, Dt. 15-9-2021

Venue: Online through Google Meet on Dt: 15-9-2021, Wednesday, 2 PM

Meeting of Board of Studies in Home Science has been convened on 15-9-2021 online by Google Meet at 2PM. The Principal Smt. M. Suvarchala, Chairperson, Dr.K.Lavanya, University Nominee Dr. Y.Lakshmi Prabha, Subject Expert Dr.P. Jyoti Kumari, Industry Expert Dr.M.S.L.Soumya, Alumni Kum.K.Lakshmi Tejaswi, faculty members Dr.G.Anitha and Ms.L.Malliswari and student member Kum.Phani Kumari attended the meeting.

Syllabus revision :

H.Sc-101 BASIC NUTRITION: 20 percent modification in the syllabus i.e.,

- 1) Unit –I to IV: It is resolved to delete RDA and deficiency symptoms of nutrients as they are been in community nutrition
- 2) Unit IV: replaced Differences between physiological and gross fuel value with Formulas for calculating BMR.
- 3) Unit V: Deleted beneficial effects of non- nutrient constituents of food on Health as this unit contains excess topics.

HSC 102 GENERAL PSYCHOLOGY: 15 percent modification in the syllabus i.e.,

Unit II: Deleted Interests and Aptitude – Definition of the terms –factors affecting individual's interest and attitude; Assessment of interests and attitudes using inventories and scales.

Unit III: Deleted Major Psychological Approaches – Psycho-dynamic, Behavioural, Humanistic, Cognitive, Socio-cultural and Trait perspectives.

HSC-201INTRODUCTION TO FOOD SCIENCE: 10 percent modification in the syllabus i.e

Unit-V: Food Sanitation and Hygiene – Safe food practices during preparation, storage and serving of food. Shifted to practical

HSC 202 HOUSING FO BETTER LIVING: 10 percent modification in the syllabus i.e.,

Unit II: Household cleaning and care – General principles to be followed for cleaning rooms and floors; Equipment and reagents for cleaning rooms and floors- Shifted to practical

HSC-301 COMMUNITY NUTRITION: 10 percent modification in the syllabus i.e.,

Unit-V: Nutrition problems prevalent in India – Under nutrition – PEM and deficiencies of Vitamin A, Iron and Iodine; Over nutrition is covered under unit 1V

It is resolved to shift Nutrition Education – Definition, methods used in nutrition education to improve nutritional and health status of people to practical

HSC- 302 PRINCIPLES OF GARMENT CONSTRUCTION: 10 percent modification in the syllabus i.e., Sewing Machine – Parts of sewing machine, Defects and causes, adjustments in sewing machine and care of sewing machine.

Shifted to practical

HSC 403 HUMAN DEVELOPMENT AND FAMILY DYNAMICS:5 percent modification in the syllabus i.e., Cultural perspective on aging and institutionalization –Indian context Changed as Institutionalization of aged in Indian context

Board of members			
1.	Ms.M.Suvarchala	Principal	M. Suvarchala
2.	Dr. K. Lavanya	Chairperson	K. Lavanya
3.	Dr. Y. Lakshmi Prabha	University Nominee, Professor,St.Joseph's College for Women(A), Vishakapatnam,E.G Dt	Lakshmi Prabha
4.	Dr.P. Jyothi Kumari	Subject Expert, Professor,St.Theresa's College for Women(A),Eluru,W.G Dt	P. Jyothi Kumari
5.	Dr.M.S.L.Soumya	Industry Expert,Founder & Trainer, Spurthy Preprimary Educational Society,Hyderabad	M.S.L.Soumya
6.	Dr.G.Anitha	Member	G. Anitha
7.	Ms.L.Malliswari	Member	L. Malliswari
8.	K. Lakshmi Tejaswi	Alumni ,Field Dietician,British Biologicals,Vijayawada,Krishna Dt.	K. Lakshmi Tejaswi
9.	Kum.Phani Kumari	Student Representative	M. Phani Kumari

A.S.D. GOVERNMENT DEGREE COLLEGE FOR WOMEN (A)
KAKINADA
BOARD OF STUDIES IN MATHEMATICS
2021-22
ADDITIONAL INPUTS

SEMESTER – I Differential equations

S. No.	Unit No. & Name	Name of the topic added	No. of hours allotted	% of addition
1	Unit I : Differential equation of first order and first degree	Change of variable	3	5%
2	Unit:II: Differential equation of first order but not of the first degree	Orthogonal Trajectories	5	10%
	TOTAL	2	5	10%

V. Ananta Lakshmi

M. Madhavi

Y. Bindu

B. Sujana

N. Divya

A.S.D GOVT.DEGREE COLLEGE FOR WOMEN (A), KAKINADA

Department of Microbiology

List of Additional Inputs, BOS changes & Revision Topics

S.No	Semester	Paper Title	BOS Changes	Remarks	% change in BOS
1	3	Paper 3: Molecular Biology & Microbial Genetics	COVID 19 virus morphology Disease Symptoms	Pandemic situation demands	10%
2	4	Paper 4: Immunology & Medical Microbiology	Corona Diagnosis	Already unit II has huge topics Proposed by subject expert	10%
3	4	Paper 5: Microbial ecology & Industrial Microbiology	Mushroom Cultivation	Suggested by Industry expert	10%

Anil
14/9/21

M. Chandan,

D. Jayaram

A.S.D.GOV.T.DEGREE COLLEGE FOR WOMEN (AUTONOMOUS)

KAKINADA.DEPARTMENT OF PHYSICS

BOARD OF STUDIES MEETING on 01-08-2020 for 2020-21

ADDITIONAL INPUTS

CLASS : I B.Sc.

SEMESTER : I

TITLE OF THE PAPER : Mechanics, Waves and Oscillations

In BOS Changes are made nearly 5 percent

TOPICS IN THE UNIVERSITY SYLLABUS	ADDITIONAL TOPICS INCLUDED UNDER AUTONOMOUS SET UP
1. Simple Harmonic Oscillations	Energy of Simple Harmonic Oscillator , combination of two mutually perpendicular simple harmonic vibrations of different frequencies, beats.
2.Damped and Forced Oscillations	Sharpness of Resonance
3.Vibration of Strings	Energy transport & Transverse Impedance

A.S.D.GOV.T. DEGREE COLLEGE FOR WOMEN (AUTONOMOUS KAKINADA).

DEPARTMENT OF PHYSICS

ADDITIONAL INPUTS

CLASS : I B.Sc.

SEMESTER : II

TITLE OF THE PAPER : **Wave Optics**

In BOS Changes are made nearly 5 percent

TOPICS IN THE UNIVERSITY SYLLABUS	ADDITIONAL TOPICS INCLUDED UNDER AUTONOMOUS SET UP
1. Interference	Interference by a film with two non-parallel reflecting surfaces (Wedge shaped film).

A.S.D.GOV. DEGREE COLLEGE FOR WOMEN (AUTONOMOUS) KAKINADA.

DEPARTMENT OF PHYSICS

ADDITIONAL INPUTS

CLASS : II B.Sc.

SEMESTER : III

TITLE OF THE PAPER : **Heat and thermodynamics**

In BOS Changes are made nearly 5 percent

TOPICS IN THE UNIVERSITY SYLLABUS	ADDITIONAL TOPICS INCLUDED UNDER AUTONOMOUS SET UP
1. Thermodynamics potentials and Maxwell's equations	Joule-Kelvin coefficient for Vanderwall's gases.

A.S.D.GOV.T. DEGREE COLLEGE FOR WOMEN (AUTONOMOUS) KAKINADA.

DEPARTMENT OF PHYSICS

ADDITIONAL INPUTS

CLASS : III B.Sc.

SEMESTER : IV , Course- 5

TITLE OF THE PAPER : **Electrricity, Magnetism& Electronics**

In BOS Changes are made nearly 5 percent

TOPICS IN THE UNIVERSITY SYLLABUS	ADDITIONAL TOPICS INCLUDED UNDER AUTONOMOUS SET UP
1.Electrostatic	.Potential due to a dipole
2.Magentostatics	. Divergence and curl of Magnetic field.
3.Electromagnetic Induction	Electromagnetic Damping
4 .Basic Electronic devices	Hybrid parameters from transistor characteristics,Relation between alpha,Beta and Gamma.

Authority	Name	Signature
BOS Chairman	Mr. K.Venkateswara Rao;M.Sc.,B.Ed.	K Venkateswara Rao 15/9/21
University nominee	Dr M.V.K.Mehar;M.Sc;Ph.D.	M.V.K.Mehar
Subject expert-1	Dr.S.V.G.V.A.Prasad;M.Sc. M.Phil;Ph.D	SVGVAPRASAD
Subject expert-2	Mr.N.L.V.R.K.Prasad;M.Sc,B.Ed	N.L.V.R.K.Prasad
Industrial expert	Mr.A.V.V.V.Prasad	A.V.V.V.Prasad
BOS Member	Ms.G.Sridevi ; M.Sc;M.Phil.NET	
BOS Member	R.Sasikala M.Sc,NET	
BOS Member	Kum.S.Maheswari,M.Sc.	


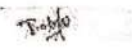



A.S.D.GOVERNMENT DEGREE COLLEGE (Women), (Autonomous),

KAKINADADEPARTMENT OF POLITICAL SCIENCE

List of Additional inputs, BOS changes & Revision Topics

Sl. No	SEM	Paper Title	BOS changes	Remarks	% of changes in BOS
1	III	Indian Government & political	Indian government structure	For topic related	10
2	IV	Indian political process	Major issues in Indian politics	For topic continuity	10%
3	IV	Western political thought	Greek philosophy	. Continuity of syllabus	10%

Signatures:

- 1). 
- 2). 
- 3). 
- 4). 
- 5). 

A.S.D GOVT. DEGREE COLLEGE FOR WOMEN (A), KAKINADA

DEPARTMENT OF TELUGU

List of Additional Inputs, BOS changes & Revision Topics

2021-22

S. No	Semester	Paper Title	BOS Changes	Remarks	% change in BOS
1	III General Telugu	Paper III: Srujanatmaka Rachana	Topic added to Unit II - 'Parisodhanaa Vyasam'	Create interest in Research among General Telugu students	10%

K. Madhavi

N. DurgaLakshmi

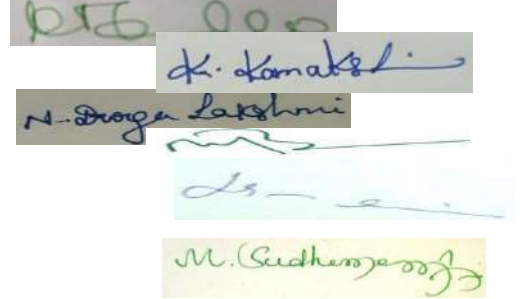
K. Kamakshi

Dr. S. Gopalayya

Dr. D. Krishna Gayatri

Dr. M. Sudhamayi

Dr. P. Nagamallika



A.S.D.GOVERNMENT DEGREE COLLEGE (Women),(Autonomous),

KAKINADADEPARTMENT OF TOURISM 2021-2022

List of Additional inputs, BOS changes & Revision Topics

Sl.No	SEM	Paper Title	BOS changes	Remarks	% of changes in BOS
1	3	Travel & Tourism Management	Components of tourism systems	For Continuity of the topic	10
2	4	Tourism Policy Planning & Development	Tourism trends and PolicyPriorities	For continuity of the topic	10 %
3	4	Tourism marketing	Tourism product development strategies	Improve the profitability of tourism industry	10 %

Signatures:

1. B. Ajith
2. M. V. S.
3. B. S. S.
4. V. R. S.
5. K. Thirumala

A.S.D GOVT.DEGREE COLLEGE FOR WOMEN (A), KAKINADA

Department of Zoology

List of Additional Inputs, BOS changes & Revision Topics (2021-2022)

S.No	Semester	Paper Title	BOS Changes	Remarks	% change in BOS
1	I	Paper I : Animal diversity – Biology of Non- Chordates	Introduction to economic Zoology	Additional knowledge	5%
2	II	Paper II : Animal diversity – Biology of Chordates	Wild life conservation in India	With regards to biodiversity conservation	5%
3	III	Paper III: Cell biology, genetics, molecular biology & evolution	Genetic diseases	Additional knowledge	6%
4	IV	Paper IV: Animal physiology, cellular metabolism & embryology	Study of local ecosystem (wetland/pond)	Ecology topic totally deleted from university syllabus. so, to give special importance to local habitat	7%
5	VI	Paper VIII : Cluster II- Aquaculture Management	Early mortality syndrome (EMS), enterocytozoon hepatopenaei of shrimp(EHP), white feces syndrome(WFS)	Suggested by Industry expert	6%

S. Madhavi
24/9/2021



A.S.D GOVT.DEGREE COLLEGE FOR WOMEN (A), KAKINADA

Department of Aquaculture Technology

List of Additional Inputs, BOS changes & Revision Topics (2021-2022)

S.No	Semester	Paper Title	BOS Changes	Remarks	% change in BOS
1	I	Paper I : Basic principles of Aquaculture	Economic importance of Aquaculture	Additional knowledge	5%
2	II	Paper II : Biology of fin fish & shell fish	Fishery by-products	Additional knowledge	7%
3	III	Paper III: Fish nutrition & feed technology	Nutritional values of different prawn feed ingredients	Additional knowledge	5%
4	IV	Paper IV: fresh water & brackish water aquaculture	Minerals & supplements in Litopenaeus Vannamei culture	Suggested by Industry expert	6%
5	VI	Paper 5 : fish health management	Early mortality syndrome (EMS), enterocytozoon hepatopenaei of shrimp(EHP),white feces syndrome(WFS)	Suggested by Industry expert	6%

S. Madhavi
24/9/2021



A.S.D. GOVERNMENT DEGREE COLLEGE FOR WOMEN (A)
KAKINADA
BOARD OF STUDIES IN SANSKRIT
2022-23
ADDITIONAL INPUTS

SEMESTER - III

S. No.	Unit No. & Name	Name of the topic added	No. of hours allotted	% of addition
1	2. HISTORY OF SANSKRIT LITERATURE	RESOLVED TO INTRODUCE ADD ON COURSE ON IMPORTANT SLOKAS IN BHAGAVAD GITA 8 TH CHAPTER "RAJA VIDHYA GUHA YOGA"	02	10%
2		INTRODUCE ADD ON 3 POETS 3 RD SEMESTER JAGANNATHA PANDITA RAYALU, MALLINADHA SURI, VISWANATH	02	10%
	TOTAL		02	

1. *[Signature]*

2. *[Signature]*

[Signature]
13/9/2021



A.S.D. GOVERNMENT DEGREE COLLEGE FOR WOMEN (A)
KAKINADA
BOARD OF STUDIES IN CHEMISTRY
2021-22
ADDITIONAL INPUTS
SEMESTER - I

S. No.	Unit No. & Name	Name of the topic added	No. of hours allotted	% of addition
1	Unit:1: Chemistry of p – block elements	1. Structures of Higher Boranes B_4H_{10} and B_5H_9 . 2. Silanes 3. Comparison of properties between halogens and pseudo halogens	2	15%
2	Unit II: Chemistry of d – block and f – block elements Theories of bonding in metals	1. Color of transition metal compounds.	1	10%
3	Unit – III: Solid state	1. Crystalline structures of some ionic compounds viz., NaCl, KCl, CsCl etc.	1	10%
4	Unit – IV: Gaseous state and liquid state	1. Inversion temperature 2. Liquefaction of gases - principle	1	10%
5	Unit - V: Solutions, Ionic equilibrium and dilute solutions	1. Fractional distillation 2. Applications of common ion effect and solubility product in qualitative analysis	2	12%
	TOTAL		9	11%

SEMESTER - II

S. No.	Unit No. & Name	Name of the topic added	No. of hours allotted	% of addition
1	Unit:1: Carbon – Carbon sigma bonds (Alkanes and Cycloalkanes)	1. Relative stability of carbonium ions and free radicals 2. Newman projection formula	1	15%
2	Unit II: Carbon-Carbon pi bonds (Alkenes and Alkynes)	1.Stability of Alkenes	1	10%
3	Unit – III: Benzene and its Reactivity	1.Halogenation and Sulphonation of Benzene 2. Orbital picture of Benzene	2	10%
4	Unit – IV: Surface Chemistry and Chemical Bonding	1. M.O Diagrams of O_2^+ , O_2^- and NO^+	1	10%
5	Unit - V: Stereochemistry of Carbon Compounds	1. Geometrical Isomerism	1	12%
	TOTAL	7	6	10%

SEMESTER - III

S. No.	Unit No. & Name	Name of the topic added	No. of hours allotted	% of addition
1	Unit:1: Chemistry of Halogenated Hydrocarbons Alcohols and Phenols	1. Classification and Nomenclature of Alkyl, Aryl and Aryl Alkyl Halides 2. Identification of Alcohols	2	15%
2	Unit II: Carbonyl Compounds	Active methylene Compounds Definition and Examples	1	10%
3	Unit – III: Carboxylic Acids and their Derivatives	-----		10%
4	Unit – IV: Spectroscopy	Hypochromic Shift, Hyperchromic Shift	1	10%
5	Unit - V: Applications of Spectroscopy	-----	0	12%
	TOTAL	4	4	4%

SEMESTER – IV (PAPER – IV)

S. No.	Unit No. & Name	Name of the topic added	No. of hours allotted	% of addition
1	Unit:1: Organo Metallic Compounds	EAN	1	15%
2	Unit II: Carbohydrates	Differences between Glucose and Fructose	1	10%
3	Unit – III: Aminoacids and Proteins Heterocyclic Compounds	Comparison of Aromatic character of Furan, Thiophene and Pyrrole and Pyridine	1	10%
4	Unit – IV: Nitrogen Containing Compounds	-----	0	10%
5	Unit - V: Photochemistry and Thermodynamics	Photosynthesis, Resonance Fluorescence and delayed Fluorescence	1	12%
	TOTAL	9	4	4%

SEMESTER – IV (PAPER – V) INORGANIC AND PHYSICAL CHEMISTRY

S. No.	Unit No. & Name	Name of the topic added	No. of hours allotted	% of addition
1	Unit:1: Coordination Chemistry	Sidzwick Interpretation of Coordination Compounds and EAN	1	10%
2	Unit II: Inorganic Reaction Mechanism Stability of Metal Complexes Bio-Inorganic Chemistry	----- Chlorophyll and its functions. Structures of Haemoglobin and Chlorophyll.	1	10%
3	Unit – III: Phase Rule	Phase Diagram of Mg-Zn System, Reduced phase rule and Condensed Systems	1	10%
4	Unit – IV: Electrochemistry	Arrhenius theory of weak electrolytes	1	10%
5	Unit - V: Chemical Kinetics	Graphical representations of Integrated rate equations of Zero and First Order Reactions	1	10%
	TOTAL	9	5	8%

SEMESTER – VI ELECTIVE - ENVIRONMENTAL CHEMISTRY

S. No.	Unit No. & Name	Name of the topic added	No. of hours allotted	% of addition
1	Unit:1: Terminology in Environmental Chemistry	Water cycle and Climate change	1	15%
2	Unit II: Air Pollution	Ozone Depletion Substances, Responsibility of individual in protecting Ozone layer	1	10%
3	Unit – III: Water Pollution	Drinking Water Parameters-Indian Standards	1	10%
4	Unit – IV: Chemical Toxicology	Methods and Tools used in Chemical Toxicology	1	10%
5	Unit - V: Ecosystem and Biodiversity	Carbon inputs to Ecosystem	1	12%
	TOTAL	9	5	8%









A.S.D. GOVERNMENT DEGREE COLLEGE FOR WOMEN (AUTONOMOUS)

KAKINADA

DEPARTMENT OF CHEMISTRY

BOARD OF STUDIES 2021-22 Dt: 21.09.2021

REVISION OF SYLLABUS

Members Present		Signatures
1.	Dr. D. Chenna Rao Lecturer in Charge, Dept of Chemistry A.S.D. Govt. Degree College for Women (A) Kakinada	Chair person 
2.	Dr. D. Rama Rao Lecturer in Chemistry P.R. Govt. College (Autonomous) Kakinada	University Nominee 
3.	Sri.V. Sanjeeva Kumar Lecturer in Chemistry Government Degree College, Mandapeta	Subject Expert 
4.	Sri. P. Vijay Kumar Lecturer in Chemistry Government Degree College, Pithapuram	Subject Expert 
5.	Dr. B. Ramesh Babu Director, Boga – R Laboratories Peddapuram	Industrialist 
6.	Kum. S. Vijayalakshmi Guest Faculty in Chemistry P.R. Govt. College (A), Kakinada.	Alumni 
7.	Smt. V. Ananthalakshmi	Member 
8.	Dr. S. Priyadarshini	Member 
9.	Smt. M. Subbalakshmi	Member 