



I, III, V SEMESTERS CURRICULAR PLAN

2020-2021

DEPARTMENT OF PHYSICS

S.V.L.N.S. GOVERNMENT DEGREE COLLEGE

BHEEMUNIPATNAM

First Semester Curricular Plan (Feb- May 2021)

Name of the College: S.V.L.N.S.GOVERNMENT DEGREE COLLEGE,
BHEEMUNIPATNAM

Name of the Department: Physics

Name of the Lecturer: M. Rajeswara Rao

Class:
B.Sc.

Year: I Year, 1st SEMESTER

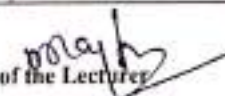
Paper: Mechanics and Properties of Matter
waves and oscillations

S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	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	
2	2 nd week	4+2	Mechanics of Particles: Review of Newton's Laws of Motion, Motion of variable mass system, Motion of a rocket, Multistage rocket, Concept of impact parameter, scattering cross-section, Practical 1		Teaching Theory + Practical	4+2	Yes		Assignment 1	01	Yes			
3	3 rd week	4+2	Rutherford scattering-Derivation. Mechanics of Rigid bodies : Rigid body, rotational kinematic relations, Equation of motion for a rotating body, Angular momentum and Moment of inertia tensor, Euler equations, Practical 1		Teaching Theory + Practical	4+2	Yes							
4	4 th week	4+2	Precession of a spinning top, Gyroscope, Precession of atom and nucleus in magnetic field, Precession of the equinoxes. Practical 2		Teaching Theory + Practical	4+2	Yes		Student seminar	01	Yes			

Signature of the Lecturer

Signature of the Principal

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Name of the College: S.V.L.N.S.GOVERNMENT DEGREE COLLEGE, BHEEMUNIPATNAM					Name of the Department: Physics									
Name of the Lecturer: M. Rajeswara Rao					Class: B.Sc.	Year: I Year, 1 st SEMESTER			Paper: Mechanics and Properties of matter					
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5	March 2021	1 st week	4+2	Motion in a Central Force Field Central forces, definition and examples, characteristics of central forces, conservative nature of central forces, Equation of motion under a central force., Practical 2		Teaching Theory + Practical	4+2	Yes						
6		2 nd week	4+2	Kepler's laws of planetary motion Proofs, Motion of satellites, Basic idea of Global Positioning System (GPS), weightlessness, Physiological effects of astronauts Practical 3		Teaching Theory + Practical	4+2	Yes		Mid exam 1	01	Yes		
7		3 rd week	4+2	Relativistic Mechanics Introduction to relativity, Frames of reference, Galilean transformations, absolute frames, Michelson-Morley experiment, negative result Practical 3		Teaching Theory + Practical	4+2	Yes		Assignment 2	01	Yes		
8		4 th week	4+2	Postulates of Special theory of relativity, Lorentz transformation, time dilation, Practical 4		Teaching Theory + Practical	4+2	Yes						
Signature of the Lecturer 										Signature of the Principal				

First Semester Curricular Plan (Feb-May 2021)

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BHEEMUNIPATNAM

Name of the Department: Physics

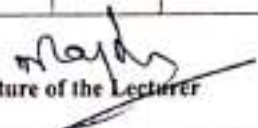
Name of the Lecturer: M. Rajeswara Rao

Class:
B.Sc.

Year: I Year, 1st SEMESTER

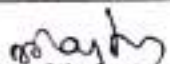
Paper: Mechanics and ~~Properties of matter~~
waves and oscillations

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13	May 2021	1 st week	4+2	N-coupled oscillators and wave equation Vibrating Strings: Transverse wave propagation along a stretched string, General solution of wave equation and its significance.		Teaching Theory + Practical	4+2	Yes		Assignment at 4	01	Yes		
14		2 nd week	4+2	Modes of vibration of stretched string clamped at ends, Overtones and Harmonics, Melde's strings.		Teaching Theory + Practical	4+2	Yes		Practical Experiments				
15		3 rd week	4+2	Ultrasonics: Ultrasonics, General Properties of ultrasonic waves, Production of ultrasonics by piezoelectric and magnetostriction methods, Detection of ultrasonics,		Teaching Theory + Practical	4+2	Yes						
16		4 th week	4+2	Applications of ultrasonic waves, SONAR		Teaching Theory + Practical	4+2	Yes		Semester end examinations				


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Name of the Lecturer: M. Rajeswara Rao					Class: B.Sc.	Year: 1 Year, 1 st SEMESTER			Paper: Mechanics and Properties of matter					
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9	April 2021	1 st week	4+2	length contraction, variation of mass with velocity, Einstein's mass-energy relation Practical 4		Teaching Theory + Practical	4+2	Yes		Assignment 3	01	Yes		
10		2 nd week	4+2	Undamped, Damped and Forced oscillations: Simple harmonic oscillator and solution of the differential equation, Damped harmonic oscillator, Forced harmonic oscillator Practical 5		Teaching Theory + Practical	4+2	Yes		Student seminar	01	Yes		
11		3 rd week	4+2	Their differential equations and solutions, Resonance, Logarithmic decrement, Relaxation time and Quality factor. Practical 6		Teaching Theory + Practical	4+2	Yes		2 nd mid exam	01	Yes		
12		4 th week	3+2	Coupled oscillations: Coupled oscillators-Introduction, Two coupled oscillators, Normal coordinates and Normal modes- Practical 6		Teaching Theory + Practical	3+2	Yes						
 Signature of the Lecturer									Signature of the Principal					

First Semester Curricular Plan (Feb-May 2021)

Name of the College: S.V.L.N.S.GOVERNMENT DEGREE COLLEGE,
BHEEMUNIPATNAM

Name of the Department: Physics

courses and syllabus

Name of the Lecturer: M. Rajeswara Rao

Class: B.Sc.

Year: 1 Year, 1st SEMESTER

Paper: Mechanics and ~~Properties of matter~~

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17	June 2021	1 st week	4+2	SEMESTER EXAMINATIONS		Invigilation		4+2		Yes	Invigilation	4+2	-	-		
18		2 nd week	4+2	SEMESTER EXAMINATIONS		Invigilation		Yes		Yes	Invigilation					
19		3 rd week	4+2	Commencement of 2 nd semester												
20		4 th week	4+2													

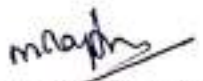
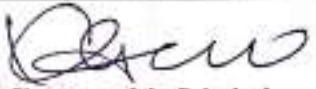
M. Rajeswara Rao
Signature of the Lecturer

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Signature of the Principal

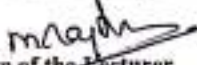

This semester plan of I-year physics entitled mechanics, waves and optics.
Circulated among all the students on 28/1/2021

- 1) S. Jhansi
- 2) A. Sanjana
- 3) D. Satish
- 4) Ch. Praniteja
- 5) S. Nani
- 6) T. Harika
- 7) P. Aruna
- 8) K. Ashok
- 9) S. Aravind
- 10) N. Gopi
- 11) R. Sekhar
- 12) M. Suresh
- 13) S. Syam Kumar
- 14) M. Surya Prakash
- 15) P. Deepak

Semester Curricular Plan 2020-21

Semester Curricular Plan 2020-21															
Name of the College: S.V.L.N.S. GOVERNMENT DEGREE COLLEGE						Name of the Department: PHYSICS									
Name of the Lecturer: M.RAJESWARA RAO						Class: B.Sc.				Year: 3 RD SEMESTER				Paper: WAVE OPTICS	
S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	Curricular Activity				Co-curricular Activity				Remarks	
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1	Nov 2020	1 st WEEK	4+2	RE OPENING DAY IS 02/11/2020 INTRODUCTION OF SYLLABUS Aberrations: Introduction – monochromatic aberrations, spherical aberration, methods of minimizing spherical aberration Coma, astigmatism and curvature of field, distortion. Chromatic aberration-the achromatic doublet. Achromatism for two lenses (i) in contact and (ii) separated by a distance. Lab: Practical 1	01 Concepts of deviation and dispersion	Teaching + Practical	4+2	Yes	-	Assessment	01	-	-		
 Signature of the Lecturer												 Signature of the Principal			

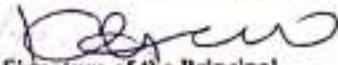
Semester Curricular Plan 2020-21

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Name of the Lecturer: M. RAJESWARA RAO					Class: B.Sc.		Year: 3 RD SEMETER		Paper: WAVE OPTICS			
S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	Curricular Activity				Co-curricular Activity		
						Activity Conducted	Hours allotted	Whether conducted	If not, alternate date	Activity Conducted	Hours allotted	Whether conducted
2	Nov 2020	2 nd week	4+2	Interference: Principle of superposition – coherence-temporal coherence and spatial coherence-conditions for interference of light. Fresnel's biprism-determination of wavelength of light –change of phase on reflection	Path and phase difference	Teaching + Practical	4+2	Yes	-	Assignment 1	01	Yes
3		3 rd week	4+2	Oblique incidence of a plane wave on a thin film due to reflected and transmitted light (cosine law) – colors of thin films- Interference by a film with two non-parallel reflecting surfaces (Wedge shaped film).		Teaching + Practical	4+2	Yes	-	Student seminar	01	Yes
4		4 th week	4+2	Determination of diameter of wire, Newton's rings in reflected light. Michelson interferometer, Determination of wavelength of monochromatic light using Newton's rings and Michelson Interferometer.		Teaching + Practical	4+2	Yes	-	Quiz	01	Yes
Signature of the Lecturer 										Signature of the Principal 		

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Name of the Lecturer: M. RAJESWARA RAO					Class: B.Sc.		Year: 3 RD SEMSTER		Paper: WAVE OPTICS					
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5	Dec 2020	1 st week	4+2	Diffraction: Introduction, distinction between Fresnel and Fraunhofer diffraction, Fraunhofer diffraction - Diffraction due to single slit		Teaching + Practical	4+2	Yes	-	Mid Examinations	01	Yes		
6		2 nd week	4+2	Fraunhofer diffraction due to double slit-Fraunhofer diffraction pattern with N slits (diffraction grating). Resolving power of grating		Teaching + Practical	4+2	Yes	-					
7		3 rd week	4+2	Determination of wavelength of light in normal incidence and minimum deviation methods using diffraction grating,		Teaching + Practical	4+2	Yes	-					
8		4 th week	4+2	Fresnel's half period zones-area of the half period zones-zone plate-comparison of zone plate with convex lens-difference between interference and diffraction		Teaching + Practical	4+2	Yes	-	Assignment 2	01	Yes		

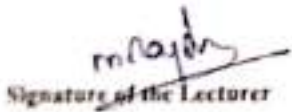
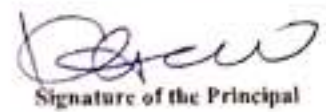

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Semester Curricular Plan 2020-21

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09	Jan 2021	1 st week	4+2	Polarisation: Polarized light; methods of polarization polarization by reflection, refraction, double refraction, scattering of light		Teaching + Practical	4+2	Yes		Assignment 3	Yes	01	
10		2 nd week	4+2	Brewster's law-Mauls law-Nicol prism polarizer and analyzer-Quarter wave plate. Half wave plate-optical activity, determination of specific rotation by Laurent's half shade polarimeter		Teaching + Practical	4+2	Yes		Student seminar	01	Yes	
11		3 rd week	4+2	Babinet's compensator - idea of elliptical and circular polarization		Teaching + Practical	4+2	Yes					
12		4 th week	2+2	Lasers and Holography: Lasers: introduction, spontaneous emission, stimulated emission. Population Inversion, Laser principle		Teaching + Practical	4+2	Yes		Assignment 4	01	Yes	
Signature of the Lecturer <i>m raphy</i>										Signature of the Principal			

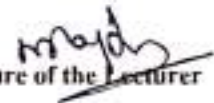

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13	Feb 2021	1 st week	4+2	Einstein coefficients-Types of lasers-He-Ne laser, Ruby laser-Applications of lasers. Holography Basic principle of holography-Gabor hologram and its limitations,		Teaching + Practical	4+2	Yes	-	Assignment 5	01	Yes		
14		2 nd week		Applications of holography, Fiber Optics Introduction- different types of fibers, rays and modes in an optical fiber, fiber material, principles of fiber communication (qualitative treatment only), advantages of fiber optic communication		Teaching + Practical	4+2	Yes						
15		3 rd week	4+2	Revision		Teaching + Practical	4+2	Yes		Grand Quiz	01	Yes		
16		4 th week	4+2	Revision		Invigilation	4+2	Yes		PRACTICAL EXAMINATIONS				
 Signature of the Lecturer										 Signature of the Principal				

Semester Curricular Plan 2020-21

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17	March 2021	1 st week	4+2	Semester end THEORY EXAMINATIONS		invigilation				Yes	Invigilation					
18		2 nd week	4+2	Semester end THEORY EXAMINATIONS FROM		invigilation				Yes	Invigilation					
19		3 rd week	4+2	Commencement of IV semester												
20		4 th week	4+2													
Signature of the Lecturer										Signature of the Principal						

Semester Curricular Plan 2020-2021

Name of the College: S.V.L.N.S. GOVERNMENT DEGREE COLLEGE					Name of the Department: PHYSICS									
Name of the Lecturer: M.RAJESWARA RAO					Class: B.Sc.		Year: 5 th SEMESTER		Paper V: Electricity, Magnetism and Electronics					
S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	Curricular Activity				Co-curricular Activity				Remarks
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1	Nov 2020	1 st WEEK	3+2	RE OPENING DAY IS 02/11/2020 INTRODUCTION TO SYLLABUS		Teaching +Practical	3+2	Yes	-	Assignment 1	01	Yes	-	
				Electric field intensity and potential: Gauss's law statement and its proof- Electric field intensity due to (1) Uniformly charged sphere and (2) an infinite conducting sheet of charge										
				Electrical potential - equipotential surfaces- potential due to i) a point charge, ii) charged spherical shell and uniformly charged sphere.										
Signature of the Lecturer 					Signature of the Principal 									

Semester Curricular Plan 2020-2021

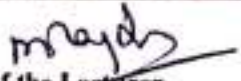
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2	Nov 2020	2 nd week	3+2	Dielectrics: Electric dipole moment and molecular polarizability- Electric displacement D, electric polarization P		Teaching+ Practical	3+2	Yes	-	Assignment 2	01	Yes	
3		3 rd week	3+2	Relation between D, E and P- Dielectric constant and susceptibility. Boundary conditions at the dielectric surface.		Teaching+ Practical	3+2	Yes	-	Student seminar	01	Yes	
4		4 th week	3+2	Electric and magnetic fields Biot-Savart's law, explanation and calculation of B due to long straight wire, a circular current loop and solenoid Lorentz force - Hall effect - determination of Hall coefficient and applications.		Teaching+ Practical	3+2	Yes	-	Quiz	01	Yes	
Signature of the Lecturer <i>m.rajesh</i>										Signature of the Principal			

Semester Curricular Plan 2020-2021

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5	Dec 2020	1 st week	3+2	Electromagnetic induction Faraday's law-Lenz's law- Self and mutual inductance, coefficient of coupling, calculation of self-inductance of a long solenoid		Teaching+ Practical	3+2	Yes	-	FIRST MID EXAM	01	Yes			
6		2 nd week	3+2	Energy stored in magnetic field. Transformer - energy losses - efficiency.		Teaching+ Practical	3+2	Yes	-						
7		3 rd week	3+2	Alternating currents and electromagnetic waves Alternating current - Relation between current and voltage in LR and CR circuits, vector diagrams,		Teaching+ Practical	3+2	Yes	-	Assignment 3	01	Yes			
8		4 th week	3+2	LCR series and parallel resonant circuit, Q-factor, power in ac circuits.		Teaching+ Practical	3+2	Yes	-	Student Seminar	01	Yes			
Signature of the Lecturer <i>m raju</i>										Signature of the Principal <i>[Signature]</i>					

Semester Curricular Plan 2020-2021

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Name of the Lecturer: M. RAJESWARA RAO					Class: B.Sc.	Year: 5 th SEMESTER			Paper V: Electricity, Magnetism & Electronics				
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9	Jan 2021	1 st week	3+2	Maxwell's equations Idea of displacement current - Maxwell's equations (integral and differential forms) (no derivation), Maxwell's wave equation (with derivation)		Teaching +Practical	3+2	Yes	-	Assignment 4	01	Yes	
10		2 nd week	3+2	Transverse nature of electromagnetic waves. Poynting theorem (statement and proof), production of electromagnetic waves (Hertz experiment).		Teaching +Practical	3+2	Yes	-	Student seminar	01	Yes	
11		3 rd week	3+2	Basic electronics: PN junction diode, Zener diode, Tunnel diode, I-V characteristics, PNP and NPN transistors, CB, CE and CC configurations		Teaching +Practical	3+2	Yes	-				
12		4 th week	2+2	- Relation between α , β and γ - transistor (CE) characteristics - Determination of hybrid parameters, Transistor as an amplifier		Teaching +Practical	Yes 3+2	Yes	-	Quiz	01	Yes	


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Semester Curricular Plan 2020-2021

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Name of the Lecturer: M. RAJESWARA RAO					Class: B.Sc.	Year: 5 th SEMESTER				Paper V: Electricity, Magnetism and Electronics							
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13	Feb 2021	1 st week	3+2	Digital electronics Number systems - Conversion of binary to decimal system and vice versa.Binary addition and subtraction (1's and 2's complement methods).		Teaching+Practical	3+2	Yes	-	Assignment 15	01	Yes					
14		2 nd week	3+2	Laws of Boolean algebra - De Morgan's laws-statement and proof, Basic logic gates, circuits. NAND and NOR as universal gates, exclusive-OR gate		Teaching+Practical	3+2	Yes	-								
15		3 rd week	2+2	Revision		Teaching+Practical	2+2	Yes	-	Grand Quiz	01	Yes					
16		4 th week	3+2	Revision		Invitation	3+2	Yes		PRACTICAL EXAMINATIONS		Yes					

Signature of the Lecturer

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17	March 2021	1 st week	3+2	Semester end THEORY EXAMINATIONS		Invigilation										
18		2 nd week	3+2	Semester end THEORY EXAMINATIONS		Invigilation										
19		3 rd week	3+2	Commencement of VI semester												
20		4 th week	3+2													
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Name of the Lecturer: M. RAJESWARA RAO					Class: B.Sc.		Year: 5 th SEMESTER		Paper VI: Modern Physics					
S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	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	Nov 2020	1 st WEEK	3+2	RE OPENING DAY IS 02/11/2020 INTRODUCTION TO SYLLABUS Atomic and molecular physics Introduction - Drawbacks of Bohr's atomic model- Sommerfeld's elliptical orbits-relativistic correction (no derivation). Vector atom model and Stern-Gerlach experiment - quantum numbers associated with it. L-S and j-j coupling schemes. Zeeman effect and its experimental arrangement.		Teaching + Practical	3+2	Yes	-	Assignment I	01	Yes		
Signature of the Lecturer					Signature of the Principal									

Semester Curricular Plan 2020-21

Name of the College: S.V.L.N.S GOVERNMENT DEGREE COLLEGE					Name of the Department: PHYSICS								
Name of the Lecturer: M. RAJESWARA RAO					Year: 5 th SEMESTER				Paper VI: Modern Physics				
S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	Curricular Activity				Co-curricular Activity			
						Activity Conducted	Hours allotted	Whether conducted	If not, alternate date	Activity Conducted	Hours allotted	Whether conducted	If not, alternate date
2	Nov 2020	2 nd week	3+2	Raman effect, hypothesis, Stokes and Anti Stokes lines. Quantum theory of Raman effect. Experimental arrangement - Applications of Raman effect		Teaching +Practical	3+2	Yes	-	Assignment 2	01	Yes	
3		3 rd week	3+2	Matter waves & Uncertainty Principle Matter waves, de Broglie's hypothesis - wavelength of matter waves. Properties of matter waves - Davisson and Germer experiment - Phase and group velocities.		Teaching +Practical	3+2	Yes	-	Student seminar	01	Yes	
4		4 th week	3+2	Heisenberg's uncertainty principle for position and momentum (x and p), & energy and time (E and t). Experimental verification - Complementarity principle of Bohr. solenoid Quantum (wave) mechanics Basic postulates of quantum mechanics-Schrodinger time independent and time dependent wave equations-derivations. Physical interpretation of wave function		Teaching +Practical	3+2	Yes	-	Quiz	01	Yes	
Signature of the Lecturer <i>m rajeswara rao</i>										Signature of the Principal			

Semester Curricular Plan 2020-21

Name of the College: S.V.L.N.S GOVERNMENT DEGREE COLLEGE

Name of the Department: PHYSICS

Name of the Lecturer: M. RAJESWARA RAO

Class:
B.Sc.Year: 5th SEMESTER

Paper VI: Modern Physics

S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	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	
5	Dec 2020	1 st week	3+2	Eigen functions, Eigen values. Application of Schrodinger wave equation to particle in one dimensional infinite box.		Teaching+ Practical	3+2	Yes	-	FIRST MID EXAM	01	Yes		
6		2 nd week	3+2	General Properties of Nuclei Basic ideas of nucleus -size, mass, charge density (matter energy), binding energy, angular momentum, parity, magnetic moment, electric moments		Teaching+ Practical	3+2	Yes	-					
7		3 rd week	3+2	Liquid drop model and Shell model (qualitative aspects only) - Magic numbers. Radioactivity decay: Alpha decay: basics of α -decay processes.		Teaching+ Practical	3+2	Yes	-	Assignment 3	01	Yes		
8		4 th week	3+2	Theory of α -decay, Gamow's theory, Geiger Nuttal law β -decay, Energy kinematics for β -decay, positron emission, electron capture, neutrino hypothesis.		Teaching+ Practical	3+2	Yes	-	Quiz	01	Yes		

Signature of the Lecturer

Signature of the Principal

Semester Curricular Plan 2020-21

Name of the College: S.V.L.N.S GOVERNMENT DEGREE COLLEGE					Name of the Department: PHYSICS							
Name of the Lecturer: M. RAJESWARA RAO					Class: B.Sc.	Year: 5 th SEMESTER			Paper VI: Modern Phys.			
S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	Curricular Activity				Co-curricular Activities		
						Activity Conducted	Hours allotted	Whether conducted	If not, alternate date	Activity Conducted	Hours allotted	Whether conducted
09	Jan 2021	1 st week	3+2	Crystal Structure Amorphous and crystalline materials, unit cell, Miller indices, reciprocal lattice, types of lattices.		Teaching+ Practical	3+2	Yes	-	Assignment 4	01	Yes
10		2 nd week	3+2	diffraction of X-rays by crystals, Bragg's law, experimental techniques, Laue's method and powder diffraction method		Teaching+ Practical	3+2	Yes		Student seminar	01	Yes
11		3 rd week	3+2	Superconductivity: Introduction - experimental facts, critical temperature - critical field		Teaching+ Practical	3+2	Yes	-			
12		4 th week	2+2	Meissner effect - Isotope effect - Type I and type II superconductors - BCS theory (elementary ideas only) - applications of superconductors.		Teaching+ Practical	3+2	Yes		Quiz	01	Yes
Signature of the Lecturer					Signature of the Principal							

Semester Curricular Plan 2020-21

Name of the College: S.V.L.N.S GOVERNMENT COLLEGE					Name of the Department: PHYSICS									
Name of the Lecturer: M. RAJESWARA RAO					Class: B.Sc.			Year: 5 th SEMESTER		Paper VI: Modern Physics				
S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	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	
13	Feb 2021	1 st week	3+2	Revision		Teaching+ Practical	3+2	Yes		Assignments 15	01	Yes		
14		2 nd week	3+2	Revision		Teaching+ Practical	3+2	Yes						
15		3 rd week	3+2	Revision		Teaching+ Practical	3+2	Yes		Grand quiz	01	Yes		
16		4 th week	3+2	Revision		Invigilation	3+2	Yes		PRACTICAL EXAMINATIONS		Yes		

Signature of the Lecturer

Signature of the Principal

Semester Curricular Plan 2020-21

Name of the College: S.V.L.N.S GOVERNMENT DEGREE COLLEGE					Name of the Department: PHYSICS				Paper VI: Modern Physics				
Name of the Lecturer: M. RAJESWARA RAO					Class: B.Sc.	Year: 5 th SEMESTER				Co-curricular Activity			
S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	Curricular Activity				Co-curricular Activity			
						Activity Conducted	Hours allotted	Whether conducted	If not, alternate date	Activity Conducted	Hours allotted	Whether conducted	If not, alternate date
17	March 2021	1 st week	3+2	Semester end THEORY EXAMINATIONS		Invigilation				Yes	Invigilation		
18		2 nd week	3+2	Semester end THEORY EXAMINATIONS		Invigilation				Yes	Invigilation		
19		3 rd week	3+2	Commencement of VI semester									
20		4 th week	3+2										
Signature of the Lecturer										Signature of the Principal			

Fourth Semester Curricular Plan (April 2021-August 2021)

Name of the College: S.V.L.N.S.GOVERNMENT DEGREE COLLEGE,
BHEEMUNIPATNAM

Name of the Department: Physics

Name of the Lecturer: M. Rajeswara Rao

Class: B.Sc.

Year: II Year, 4th SEMESTER

Paper: Thermodynamics and radiation
Physics

S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	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	April 2021	1 st week	4+2	Kinetic theory of gases: Introduction -Deduction of Maxwell's law of distribution of molecular speeds, Experimental verification. Transport phenomena Practical 1	Assumptions of kinetic theory, viscosity	Teaching + Practical	4 + 2	Yes	-	Problems on viscosity	01	Yes	-	
2		2 nd week	4+2	Mean free path - Viscosity of gases-thermal conductivity-diffusion of gases. Practical 1		Teaching + Practical	4 + 2	Yes		Problems on $C_v, C_p, \mu, \alpha, \lambda$	01	Yes		
3		3 rd week	4+2	Thermodynamics: Introduction-Isothermal and adiabatic process-Reversible and irreversible processes-	Types of systems, zeroth law of Thermodynamics	Teaching + Practical	4+2	Yes	-	Assignment	01	Yes	-	
4		4 th week	4+2	Carnot's engine and its efficiency-Carnot's theorem-Second law of thermodynamics Practical 2		Teaching + Practical	4+2	Yes		Problems on Carnot's cycle	01	Yes	-	

Signature of the Lecturer

Signature of the Principal

Fourth Semester Curricular Plan (April 2021-August 2021)

Name of the College: S.V.L.N.S.GOVERNMENT DEGREE COLLEGE,
BHEEMUNIPATNAM

Name of the Department: Physics

Name of the Lecturer: M. Rajeswara Rao

Class: B.Sc.

Year: II Year, 4th SEMESTER

Paper: Thermodynamics and radiation
Physics

S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	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	
5	May 2021	1 st week	4+2	Kelvin's and Clausius statements-Entropy, physical significance - Change in entropy in reversible and irreversible processes-Entropy and disorder-Entropy of Universe Practical 2	Problems on change in Entropy	Teaching + Practical	4+2	Yes	-	Assignment 2	01	Yes		
6		2 nd week	4+2	Temperature-Entropy (T-S) diagram and its uses - Change of entropy of a perfect gas- change of entropy when ice changes into steam. Practical 3		Teaching + Practical	4+2	Yes	-					
7		3 rd week	4+2	Thermodynamic potentials and Maxwell's equations Thermodynamic potentials-Derivation of Maxwell's thermodynamic relations-Clausius-Clayperon's equation-Derivation for ratio of specific heats Practical 3		Teaching + Practical	4+2	Yes	-	Assignment 3	01	Yes		
8		4 th week	4+2	Derivation for difference of two specific heats for perfect gas.Joule Kelvin effect-expression for Joule Kelvin coefficient for perfect and vander Waal's gas. Practical 4		Teaching + Practical	4+2	Yes	-	Assignment 4	01	Yes	Test conducted	

Fourth Semester Curricular Plan (April 2021-August 2021)

Name of the College: S.V.L.N.S.GOVERNMENT DEGREE COLLEGE,
BHEEMUNIPATNAM

Name of the Department: Physics

Name of the Lecturer: M. Rajeswara Rao

Class: B.Sc.

Year: II Year, 4th SEMESTER

Paper: Thermodynamics and radiation
Physics

S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	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	
9	June 2021	1 st week	4+2	Low temperature Physics Introduction-Joule Kelvin effect- Porous plug experiment - Joule expansion-Distinction between adiabatic and Joule Thomson expansion-Expression for Joule Thomson cooling-Liquefaction of helium Practical 5	melting point, Boiling point sublimation Triple point	Teachings + Practical	4+2	Yes	-	Problems on immersion temp	01	Yes		
10		2 nd week	4+2	Kapitza's method-Adiabatic demagnetization, Production of low temperatures Practical 5		Teachings + Practical	4+2	Yes		Assignment	01	Yes		
11		3 rd week	4+2	Applications of substances at low temperature-effects of chloro and fluoro carbons on ozone layer. Practical 6		Teachings + Practical	4+2	Yes		Quiz on low temp phy	01	Yes		
12		4 th week	4+2	Quantum theory of radiation Blackbody-Ferry's black body-distribution of energy in the spectrum of black body-Wein's displacement law, Wein's law, Rayleigh Practical 6	Prevent theory of heat exchanger	Teachings + Practical	4+2	Yes		Test	01	Yes		

Signature of the Lecturer

Signature of the Principal

Fourth Semester Curricular Plan (April 2021-August 2021)

Name of the College: S.V.L.N.S.GOVERNMENT DEGREE COLLEGE,
BHEEMUNIPATNAM
Name of the Lecturer: M. Rajeswara Rao

Name of the Department: Physics

Class: B.Sc.

Year: II Year, 4th SEMESTER

Paper: Thermodynamics and radiation
Physics

S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	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	
						13	July 2021	1 st week	4+2	Rayleigh-Jean's law-Quantum theory of radiation-Planck's law-Measurement of radiation-Types of pyrometers	Assign Questions	Teach + Practical	4+2	
14	2 nd week	4+2	Disappearing filament optical pyrometer-experimental determination		Teach + Practical	4+2		Yes	-	Problems on Thermal radiation	01	Yes		
15	3 rd week	4+2	Angstrompyrheliometer-determination of solar constant, Temperature of Sun.		Teach + Practical	4+2		Yes	-	Practical	01	Yes		
16	4 th week	4+2	Semester End Examinations											

Signature of the Lecturer

Signature of the Principal

Fourth Semester Curricular Plan (April 2021-August 2021)

Name of the College: S.V.L.N.S.GOVERNMENT DEGREE COLLEGE,
BHEEMUNIPATNAM

Name of the Lecturer: M. Rajeswara Rao

Name of the Department: Physics


Class: B.Sc.

Year: II Year, 4th SEMESTER

Paper: Thermodynamics and radiation
Physics

S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	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		
17	August 2021	1 st week	4+2	SEMESTER EXAMINATIONS											
18		2 nd week	4+2	SEMESTER EXAMINATIONS											
19		3 rd week	4+2												
20		4 th week	4+2												

Invisitation duty
Invisitation duty

Signature of the Lecturer 


Signature of the Principal

Sixth Semester Curricular Plan (April 2021-August 2021)

Name of the College: S.V.L.N.S.GOVERNMENT DEGREE COLLEGE, BHEEMUNIPATNAM					Name of the Department: Physics									
Name of the Lecturer: M. Rajeswara Rao				Class: B.Sc.	Year: III Year, 6 th SEMESTER	Paper: Renewable Energy								
S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	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	April 2021	1 st week	4+2	Introduction to Energy: Definition and units of energy, power, Forms of energy, Conservation of energy, second law of thermodynamics, Energy flow diagram to the earth. Origin and time scale of fossil fuels, Conventional energy sources, Role of energy in economic development and social transformation.	Work - Energy Theorem Energy Consumption in Keshu S	Teach + Practical	4+2	Yes	-	Survey conducted on Carbon foot print	01	Yes		
2		2 nd week	4+2	Environmental Effects: Environmental degradation due to energy production and utilization, air and water pollution, depletion of ozone layer Practical 1		Teach + Practical	4+2	Yes		Assignment	01	Yes		
3		3 rd week	4+2	Global warming, biological damage due to environmental degradation. Effect of pollution due to thermal power station, nuclear power generation, hydroelectric power stations on ecology and environment		Teach + Practical	4+2	Yes		Quiz	01	Yes		
Signature of the Lecturer					Signature of the Principal									

Sixth Semester Curricular Plan (April 2021-August 2021)

Name of the College: S.V.L.N.S.GOVERNMENT DEGREE COLLEGE,
BHEEMUNIPATNAM

Name of the Department: Physics

Name of the Lecturer: M. Rajeswara Rao

Class: B.Sc.

Year: III Year, 6th SEMESTER

Paper: Renewable Energy

S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	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	
5	May 2021	1 st week	4+2	Energy resources, coal, oil, natural gas, nuclear and hydroelectric power, impact of exponential rise in energy usage on global economy.		Teach + Pract	4+2	Yes	-	Assnment	01	Yes		
6		2 nd week	4+2	Indian Energy Scene: Energy resources available in India, urban and rural energy consumption, energy consumption pattern and its variation as a function of time. Practical 3		Teach + Pract	4+2	Yes	-	Student Seminar	01	Yes		
7		3 rd week	4+2	nuclear energy - promise and future, energy as a factor limiting growth, need for use of new and renewable energy sources.	Nuclear reactor - Fusion and Fission	Teach + Pract	4+2	Yes	-	Project work	01	Yes		
8		4 th week	4+2	Solar energy: Solar energy, Spectral distribution of radiation, Flat plate collector, solar water heating system, Applications, Solar cooker. Solar cell		Teach + Pract	4+2	Yes		Assnment	01	Yes		

Signature of the Lecturer

Signature of the Principal

Sixth Semester Curricular Plan (April 2021-August 2021)

Name of the College: S.V.L.N.S.GOVERNMENT DEGREE COLLEGE,
BHEEMUNIPATNAM

Name of the Department: Physics

Name of the Lecturer: M. Rajeswara Rao

Class: B.Sc.

Year: III Year, 6th SEMESTER

Paper: Renewable Energy

S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	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	
9	June 2021	1 st week	4+2	Types of solar cells, Solar module and array, Components of PV system, Applications of solar PV systems Wind Energy: Introduction, Principle of wind energy conversion, Practical 5		Teaching + Practical	4+2	Yes	-	Problems on FF ad 2.	01	Yes		
10		2 nd week	4+2	Components of wind turbines, Operation and characteristics of a wind turbine, Advantages and disadvantages of wind mills, Applications of wind energy. Practical 5		Teaching + Practical	4+2	Yes	-	Project	01	Yes		
11		3 rd week	4+2	Ocean Energy: Introduction, Principle of ocean thermal energy conversion, Tidal power generation, Tidal energy technologies Practical 6		Teach + practical	4+2	Yes	-	Quiz	01	Yes		
12		4 th week	4+2	Energy from waves, Wave energy conversion, Wave energy technologies, advantages and disadvantages Practical 6		Teach + practical	4+2	Yes		Student Seminar	01	Yes		

Signature of the Lecturer

Signature of the Principal

Sixth Semester Curricular Plan (April 2021-August 2021)

Name of the College: S.V.L.N.S.GOVERNMENT DEGREE COLLEGE,
BHEEMUNIPATNAM

Name of the Lecturer: M. Rajeswara Rao

Class: B.Sc.

Name of the Department: Physics

Year: III Year, 6th SEMESTER

Paper: Renewable Energy

S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	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	
13	July 2021	1 st week	3+2	Hydrogen Energy: History of hydrogen energy - Hydrogen production methods - Electrolysis of water, Hydrogen storage options -		Teach + Practical	4+2	Yes	-	Assignment	01	Yes		
14		2 nd week	4+2	Compressed and liquefied gas tanks, Metal hydrides; Hydrogen safety - Problems of hydrogen transport and distribution - Uses of hydrogen as fuel. Bio-Energy Energy from biomass - Sources of biomass - Different species - Conversion of biomass into fuels		Teach + Practical	4+2	Yes	-	Test	01	Yes		
15		3 rd week	4+2	- Energy through fermentation - Pyrolysis, gasification and combustion - Aerobic and anaerobic bio-conversion - Properties of biomass - Biogas plants - Types of plants - Design and operation - Properties and characteristics of biogas		Teach + Practical	4+2	Yes	-	Project	01	Yes		
16		4 th week	4+2	Semester End Examinations		Invigilation								

Signature of the Lecturer

Signature of the Principal

Sixth Semester Curricular Plan (April 2021-August 2021)

Name of the College: S.V.L.N.S.GOVERNMENT DEGREE COLLEGE,
BHEEMUNIPATNAM

Name of the Department: Physics

Name of the Lecturer: M. Rajeswara Rao

Class: B.Sc.

Year: III Year, 6th SEMESTER

Paper: Renewable Energy

S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	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		
17	August 2021	1 st week	4+2	SEMESTER EXAMINATIONS											
18		2 nd week	4+2	SEMESTER EXAMINATIONS		Invitation									
19		3 rd week	4+2												
20		4 th week	4+2												

Signature of the Lecturer

Signature of the Principal



**S.V.L.N.S GOVERNMENT DEGREE COLLEGE
BHEEMUNIPATNAM
DEPARTMENT OF PHYSICS**

**SEMESTER PLAN
2021-22**



S.V.L.N. S. GOVERNMENT DEGREE COLLEGE,
DEPARTMENT OF PHYSICS
TIME TABLE
(1ST, 2ND, 5TH SEMESTER/2021-22)



DAY	1	2	3	4	5	6
MON	PHYSICS P 5 BCN	PHYSICS P 1 MRR	PHYSICS P 6 MRR			PHYSICS P 1 LAB BCN&MRR
TUE	PHYSICS P 5 BCN	PHYSICS P 2 BCN	PHYSICS P 1 MRR			PHYSICS P 1 LAB BCN&MRR
WED	PHYSICS P 2 BCN		PHYSICS P 1 MRR	SOLAR ENERGY MRR		PHYSICS P 2 LAB BCN&MRR
THU	PHYSICS P 5 BCN		PHYSICS P 1 MRR			PHYSICS P 5 LAB BCN&MRR
FRI	PHYSICS P 6 MRR	PHYSICS P 2 BCN	ELEC APPLIANCES BCN			PHYSICS P 6 LAB BCN & MRR
SAT	ELEC APPLIANCES BCN	PHYSICS P 2 BCN	PHYSICS P 6 MRR	SOLAR ENERGY MRR		PHYSICS P 2 LAB BCN & MRR

PHYSICS P 1 (MECHANICS, WAVES AND OSCILLATIONS) 4T + 4P

PHYSICS P 2 (WAVE OPTICS) 4T+4P

PHYSICS P 5 (ELECTRICITY, MAGNETISM AND ELECTRONICS) 3T+2P

PHYSICS P 6 (MODERN PHYSICS) 3T+2P

SKILL DEVELOPMENT COURSES 1. ELECTRICAL APPLIANCES (2) 2. SOLAR ENERGY (2)

M.RAJEAWARA RAO 9(T) + 12 (P)

B. CHINNAM NAIDU (9T) +12(P)


SIGNATURE OF LECTURER IN CHARGE


SIGNATURE OF BRINCHIPAL

Fifth Semester Curricular Plan 2021-2022

Name of the College: S.V.L.N.S. GOVERNMENT DEGREE COLLEGE

Name of the Department: PHYSICS

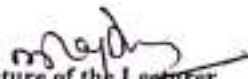
Name of the Lecturer: M.RAJESWARA RAO

Class:
B.Sc.

Year: 5th SEMESTER

Paper V: Electricity, Magnetism and
Electronics

S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	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	Sept 2021	3 rd and 4 th WEEK	3+2	INTRODUCTION TO SYLLABUS		Teaching + Practical	3+2	Yes		Assignment 1	01	Yes		
			3+2	Electric field intensity and potential: Gauss's law statement and its proof- Electric field intensity due to (1) Uniformly charged sphere and (2) an infinite conducting sheet of charge		Teaching + Practical	3+2	Yes		3+2	Yes			
				Electrical potential - equipotential surfaces- potential due to i) a point charge, ii) charged spherical shell and uniformly charged sphere.										


Signature of the Lecturer


Signature of the Principal

Fifth Semester Curricular Plan 2021-2022

Name of the College: S.V.L.N.S GOVERNMENT DEGREE COLLEGE Name of the Department: PHYSICS

Name of the Lecturer: M. RAJESWARA RAO Class: B.Sc. Year: 5th SEMESTER Paper V: Electricity, Magnetism and Electronics

S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	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	
2	Oct 2021	2 nd week	3+2	Dielectrics: Electric dipole moment and molecular polarizability- Electric displacement D, electric polarization P		Teaching+ Practical	3+2	Yes		Assignment 2	01	Yes		
3		3 rd week	3+2	Relation between D, E and P- Dielectric constant and susceptibility. Boundary conditions at the dielectric surface.		Teaching+ Practical	3+2	Yes		Student seminar	01	Yes		
4		4 th week	3+2	Electric and magnetic fields Biot-Savart's law, explanation and calculation of B due to long straight wire, a circular current loop and solenoid Lorentz force - Hall effect - determination of Hall coefficient and applications.		Teaching+ Practical	3+2	Yes		Mid 1 exam	01	Yes		

M. Rajeswara Rao
Signature of the Lecturer

[Signature]
Signature of the Principal

Fifth Semester Curricular Plan 2021-2022

Name of the College: S.V.L.N.S GOVERNMENT DEGREE COLLEGE

Name of the Department: PHYSICS

Name of the Lecturer: M. RAJESWARA RAO

Class:
B.Sc.

Year: 5th SEMESTER

Paper V: Electricity, Magnetism and
Electronics

S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	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	
5	Nov 2021	1 st week	3+2	Electromagnetic induction Faraday's law-Lenz's law- Self and mutual inductance, coefficient of coupling, calculation of self-inductance of a long solenoid		Teaching+ Practical	3+2	Yes		Assignment 3	01	Yes		
6		2 nd week	3+2	Energy stored in magnetic field. Transformer - energy losses - efficiency. Alternating currents and electromagnetic waves Alternating current - Relation between current and voltage in LR and CR circuits, vector diagrams,		Teaching+ Practical	3+2	Yes		Student Seminar	01	Yes		
7		3 rd week	3+2	LCR series and parallel resonant circuit, Q-factor, power in ac circuits. Maxwell's equations Idea of displacement current -		Teaching+ Practical	3+2	Yes		Assignment 3	01	Yes		
8		4 th week	3+2	Maxwell's equations (integral and differential forms) (no derivation), Maxwell's wave equation (with derivation) Transverse nature of electromagnetic waves. Poynting theorem (statement and proof), production of electromagnetic waves (Hertz experiment).		Teaching+ Practical	3+2	Yes		Mid exam	01	Yes		


Signature of the Lecturer


Signature of the Principal

Fifth Semester Curricular Plan 2021-2022

Name of the College: S.V.L.N.S GOVERNMENT DEGREE COLLEGE

Name of the Department: PHYSICS

Name of the Lecturer: M. RAJESWARA RAO

Class: B.Sc.

Year: 5th SEMESTER

Paper V: Electricity, Magnetism and Electronics

S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	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	
9	Dec 2021	1 st week	3+2	Basic electronics: PN junction diode, Zener diode, Tunnel diode, I-V characteristics, PNP and NPN transistors, CB, CE and CC configurations		Teaching +Practical	3+2	Yes		Assignment 4	01	Yes		
10		2 nd week	3+2	Relation between α , β and γ - transistor (CE) characteristics -Determination of hybrid parameters, Transistor as an amplifier		Teaching +Practical	3+2	Yes		Student seminar	01	Yes		
11		3 rd week	3+2	Digital electronics Number systems - Conversion of binary to decimal system and vice versa.Binary addition and subtraction (1's and 2's complement methods).		Teaching +Practical	3+2	Yes		Practical exams	03	Yes		
12		4 th week	2+2	Laws of Boolean algebra - De Morgan's laws-statement and proof, Basic logic gates, circuits. NAND and NOR as universal gates, exclusive-OR gate		Teaching +Practical	3+2	Yes						

Signature of the Lecturer

Signature of the Principal

Fifth Semester Curricular Plan 2021-2022

Name of the College: S.V.L.N.S GOVERNMENT COLLEGE

Name of the Lecturer: M. RAJESWARA RAO

Name of the Department: PHYSICS

Year: 5th SEMESTER

Paper V: Electricity, Magnetism and Electronics

S. No	Month	Week	Hours available	Syllabus Topic	Class: B.Sc. Additional Input/ Value Addition Provided /taught	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		
13	Jan 2022	1 st week	3+2	Semester end examinations		invigilation									
14		2 nd week	3+2	Semester end examinations		invigilation									
15		3 rd week													
16		4 th week													

m.rajesh

Semester Curricular Plan 2021-22

Name of the College: S.V.L.N.S. GOVERNMENT DEGREE COLLEGE

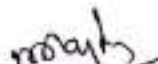
Name of the Department: PHYSICS

Name of the Lecturer: M. RAJESWARA RAO

Class:
B.Sc.Year: 5th SEMESTER

Paper VI: Modern Physics

S.No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	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	Sept 2021	3 rd and 4 th week	3+2	INTRODUCTION TO SYLLABUS Atomic and molecular physics Introduction - Drawbacks of Bohr's atomic model- Sommerfeld's elliptical orbits-relativistic correction (no derivation). Vector atom model and Stern-Gerlach experiment - quantum numbers associated with it. L-S and j-j coupling schemes. Zeeman effect and its experimental arrangement.	Different atomic models	Teaching + Practical	3+2	Yes	-	Assignment 1	01	Yes		



Signature of the Lecturer



Signature of the Principal

Semester Curricular Plan 2021-22

Name of the College: SVLNS GOVERNMENT DEGREE COLLEGE

Name of the Lecturer: M. RAJESWARA RAO

Name of the Department: PHYSICS

Year: 5th SEMESTER

Paper VI: Modern Physics

S No	Month	Week	Hours available	Syllabus Topic	Class: B.Sc. Additional Input/ Value Addition Provided /taught	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	
3	3 rd week	3-2	Matter waves & Uncertainty Principle Matter waves, de Broglie's hypothesis - wavelength of matter waves, Properties of matter waves - Davisson and Germer experiment - Phase and group velocities.	Problems	Teaching + Practical	3+2	Yes		Student seminar	01	Yes			
4	4 th week	3-2	Heisenberg's uncertainty principle for position and momentum (x and p), & energy and time (E and t). Experimental verification - Complementary principle of Bohr. solenoid Quantum (wave) mechanics Basic postulates of quantum mechanics-Schrodinger time independent and time dependent wave equations-derivations. Physical interpretation of wave function	ALUET Problems	Teaching + Practical	3+2	Yes		Mid1 exam	01	Yes			
									quiz	01	Yes			

Signature of the Lecturer

Signature of the Principal

Semester Curricular Plan 2021-22

Name of the College: S.V.L.N.S GOVERNMENT DEGREE COLLEGE

Name of the Lecturer: M. RAJESWARA RAO

Name of the Department: PHYSICS

Year: 5th SEMESTER

Paper VI: Modern Physics

S. No	Month	Week	Hours available	Syllabus Topic	Class: B.Sc.	Addition al Input/ Value Addition Provided /taught	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		
5	Nov 2021	1 st week	3+2	Eigen functions, Eigen values. Application of Schrodinger wave equation to particle in one dimensional infinite box.			Teaching+ Practical	3+2	Yes	-		quiz	01	Yes	-	
6		2 nd week	3+2	General Properties of Nuclei Basic ideas of nucleus -size, mass, charge density (matter energy), binding energy, angular momentum, parity, magnetic moment, electric moments			Teaching+ Practical	3+2	Yes	-						
7		3 rd week	3+2	Liquid drop model and Shell model (qualitative aspects only) - Magic numbers. Radioactivity decay: Alpha decay: basics of α -decay processes.			Teaching+ Practical	3+2	Yes			Assignment 3	01	Yes		
8		4 th week	3+2	Theory of α -decay, Gamow's theory, Geiger Nuttal law. β -decay, Energy kinematics for β -decay, positron emission, electron capture, neutrino hypothesis.			Teaching+ Practical	3+2	Yes			Mid 2 exam	01	Yes		



Signature of the Lecturer



Signature of the Principal

Semester Curricular Plan 2021-22

Name of the College: S.V.L.N.S GOVERNMENT DEGREE COLLEGE

Name of the Lecturer: M. RAJESWARA RAO

Name of the Department: PHYSICS

S. No	Month	Week	Hours available	Syllabus Topic	Class: B.Sc.	Year: 5 th SEMESTER				Paper VI: Modern Physics				Remarks
						Curricular Activity				Co-curricular Activity				
						Activity Conducted	Hours allotted	Whether conducted	If not, alternate date	Activity Conducted	Hours allotted	Whether conducted	If not, alternate date	
09	Dec 2021	1 st week	3+2	Crystal Structure Amorphous and crystalline materials, unit cell, Miller indices, reciprocal lattice, types of lattices, diffraction of X-rays by crystals, Bragg's law, experimental techniques, Laue's method and powder diffraction method		Teaching+ Practical	3+2	Yes		Assignment 4	01	Yes		
10		2 nd week	3+2	Superconductivity: Introduction - experimental facts, critical temperature - critical field		Teaching+ Practical	3+2	Yes		Semester end practical exam	03	Yes		
11		3 rd week	3+2	Meissner effect - Isotope effect - Type I and type II superconductors - BCS theory (elementary ideas only) - applications of superconductors.		Teaching+ Practical	3+2	Yes						
12		4 th week	2+2	Semester end examinations		Teaching+ Practical	2+2	Yes						

Signature of the Lecturer

Signature of the Principal

Semester Curricular Plan 2021-22

Name of the College: S.V.L.N.S GOVERNMENT COLLEGE

Name of the Lecturer: M. RAJESWARA RAO

Name of the Department: PHYSICS

Year: 5th SEMESTER

Paper VI: Modern Physics

S. No	Month	Week	Hours available	Syllabus Topic	Class: B.Sc. Additional Input/ Value Addition Provided /taught	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					
															13	Jan 2022	1 st week	3+2
	2 nd week	3+2	Semester end exam															
14	3 rd week	3+2	Semester end exam															
15	4 th week	3+2	Commencement of 3 rd semester															

Signature of lecturer

Signature of Principal

- 1) J. Sandhya
 - 2) T. Anusha
 - 3) V. Krishnaveni
 - 4) B. Dewi
 - 5) V. Uha
 - 6) P. Suvarna Latha
 - 7) Y. Nishma Seavalli
 - 8) Y. Alekha.
 - 9) G. Varalakshmi
 - 10) T. Raju Manikanta
-
- 11) A. Bhaskar
 - 12) A. Shiva
 - 13) N. Appala Raju
 - 14) K. Jaganthan Rao
 - 15) U. Mahesh Babu

Second Semester Curricular Plan 2021-22

Name of the College: S.V.L.N.S. GOVERNMENT DEGREE COLLEGE
 Name of the Lecturer: MRAJESWARA RAO

Name of the Department: PHYSICS

Year: 2nd SEMESTER

Paper: WAVE OPTICS

S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	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	Sept 2021	1 st WEEK	4+2	Interference of light Introduction, Conditions for interference of light,	Young's Double Slit Exp	Teaching + Practical	4+2	Yes	-					
2		2 nd Week	4+2	Interference of light by division of wave front and amplitude, Phase change on reflection, Stokes' treatment	Concept of phase diff and Polaroid		4+2	Yes	-	Assign ment	01	Yes		
3		3 rd week	4+2	Lloyd's single mirror, Interference in thin films: Plane parallel and wedge shaped films, colours in thin films Determination of wavelength of monochromatic light, Michelson interferometer and determination of wavelength.			4+2	Yes	-					
4		4 th week	4+2	Diffraction of light:: Introduction, Types of diffraction: Fresnel and Fraunhofer diffractions, Distinction between Fresnel and Fraunhofer diffraction	Assign- Problems		4+2	Yes	-	Assign ment	01	Yes		

M. Rajeswara Rao

Second Semester Curricular Plan 2021-22

Name of the College: S.V.L.N.S GOVERNMENT DEGREE COLLEGE

Name of the Lecturer: M. RAJESWARA RAO

Name of the Department: PHYSICS

Year: 2nd SEMETER

Paper: WAVE OPTICS

S. No	Month	Week	Hours available	Syllabus Topic	Class: B.Sc. Additional Input/ Value Addition Provided /taught	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	
5		1 st week	4+2	Fraunhofer diffraction at a single slit, Plane diffraction grating, Determination of wavelength of light using diffraction grating, Resolving power of grating, Fresnel's half period zones,	Answer Questions	Teaching + Practical	4+2	Yes		Assignment 1	01	Yes		
6	Oct 2021	2 nd week	4+2	Explanation of rectilinear propagation of light, Zone plate, comparison of zone plate with convex lens.	Problems	Teaching + Practical	4+2	Yes		Student seminar	01	Yes		
7		3 rd week	4+2	Polarisation of light Polarized light: Methods of production of plane polarized light, Double refraction,	Answer Questions	Teaching + Practical	4+2	Yes		Quiz	01	Yes		
8		4 th week	4+2	Brewster's law, Malus law, Nicol prism, Nicol prism as polarizer and analyzer, Quarter wave plate		Teaching + Practical	4+2	Yes						

M. Rajeswara Rao

Second Semester Curricular Plan 2021-22

Name of the College: S.V.L.N.S GOVERNMENT DEGREE COLLEGE					Name of the Department: PHYSICS									
Name of the Lecturer: M. RAJESWARA RAO					Class: B.Sc.	Year: 2 nd SEMESTER			Paper: WAVE OPTICS					
S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	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	
5	Nov 2021	1 st week	4+2	Half wave plate, Plane, Circularly and Elliptically polarized light-Production and detection, Optical activity	Problems	Teaching + Practical	4+2	Yes		Mid Examinations	01	Yes		
6		2 nd week	4+2	Laurent's half shade polarimeter: determination of specific rotation, Basic principle of LCDs		Teaching + Practical	4+2	Yes		Demonstrated the experiment	01	Yes		
7		3 rd week	4+2	Aberrations and Fibre Optics Monochromatic aberrations, Spherical aberration, Methods of minimizing spherical aberration, Coma, Astigmatism and Curvature of field, Distortion	Derivation of Dispersion of light Lensmaker formula	Teaching + Practical	4+2	Yes						
8		4 th week	4+2	Chromatic aberration-the achromatic doublet; Achromatism for two lenses (i) in contact and (ii) separated by a distance		Teaching + Practical	4+2	Yes		Assignment 2	01	Yes		

rajesh

Second Semester Curricular Plan 2021-22

Name of the College: S.V.L.N.S GOVERNMENT COLLEGE
 Name of the Lecturer: M. RAJESWARA RAO

Name of the Department: PHYSICS

Year: 2nd SEMESTER

Paper: WAVE OPTICS

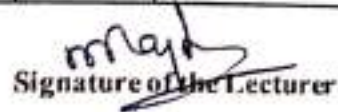
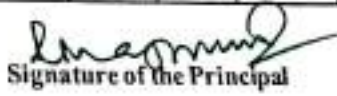
S. No	Month	Week	Hours available	Syllabus Topic	Class: B.Sc.	Additional Input/ Value Addition Provided /taught	Curricular Activity				Co-curricular Activity				
							Activity Conducted	Hours allotted	Whether conducted	If not, alternate date	Activity Conducted	Hours allotted	Whether conducted	If not, alternate date	
13	Jan 2022	1 st week		Semester end examinations		Attended									
14		2 nd week		Semester end examinations		Attended									
15		3 rd week													
16		4 th week													

M. Rajeswara Rao

First Semester Curricular Plan (Oct-Feb 2022)

Name of the College: S.V.L.N.S.GOVERNMENT DEGREE COLLEGE,
BHEEMUNIPATNAM
Name of the Lecturer: M. Rajeswara Rao

Name of the Department: Physics

S. No	Month	Week	Hours available	Syllabus Topic	Class: B.Sc. Additional Input/ Value Addition Provided /taught	Year: 1 Year, 2 nd SEMESTER				Paper: Solar Energy				Remarks	
						Curricular Activity				Co-curricular Activity					
						Activity Conducted	Hours allotted	Whether conducted	If not, alternate date	Activity Conducted	Hours allotted	Whether conducted	If not, alternate date		
1	Sept 2021	1 st week	2	Solar Radiation: Introduction to syllabus, question paper model, credits allocated, Sun as a source of energy		Teaching	02	Yes							
2		2 nd week	2	Solar radiation, Solar radiation at the Earth's surface, Measurement of Solar radiation		Teaching	02	Yes	Assign ment	01		Yes			
3		3 rd week	2	Pyrheliometer, Pyranometer, Sunshine recorder		Teaching	02	Yes							
4		4 th week	2	Prediction of available solar radiation,		Teaching	02	Yes							
					 Signature of the Lecturer					 Signature of the Principal					

First Semester Curriculum Plan (1st - Feb 2022)

Name of the College: S.V. N.S. GOVERNMENT DEGREE COLLEGE,

BHEEMUNIPATNAM

Name of the Lecturer: M. Rajeswaru Rao

Name of the Department: Physics

S. No	Month	Week	Hours available	Syllabus Topic	Class B.E.	Additional Input/ Value Addition Provided/ taught	Year I Year II SEMESTER I				Other Exams				Remarks
							Curricular Activity				Co-curricular Activity				
							Activity & duration	How to allot	What has been done	How well done	Activity & duration	How to allot	What has been done	How well done	
9	Nov 2021	1 st week	2	Solar cookers, Solar hot water systems,			Reading	02	Yes		Activity & duration	01	Yes		
10		2 nd week	2	Solar dryers, Solar Distillation, Solar greenhouses.			Reading	02	Yes						
11		3 rd week	2	Solar Photovoltaic systems: Conversion of Solar energy into Electricity - Photovoltaic Effect			Reading	02	Yes						
12		4 th week	2	Solar photovoltaic cell and its working principle, Different types of Solar cells,			Reading	02	Yes	Mid 2 exam	01	Yes			


Signature of the Lecturer


Signature of the Principal

First Semester Curricular Plan (Oct-Feb 2022)

Name of the College: S.V.L.N.S.GOVERNMENT DEGREE COLLEGE,
BHEEMUNIPATNAM

Name of the Department: Physics

Name of the Lecturer: M. Rajeswara Rao

Class:
B.Sc.

Year: I Year, 2nd SEMESTER

Paper: Solar Energy

S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	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	
14	2 nd week	2	Photovoltaic applications: Battery chargers, domestic lighting,		Teaching	02	Yes							
15	3 rd week	2	street lighting and water pumping		Teaching	02	Yes							
16	4 th week	2	Semester end examinations											

Signature of the Lecturer

Signature of the Principal

First Semester Curricular Plan (Oct-Feb 2022)

Name of the College: S.V.L.N.S.GOVERNMENT DEGREE COLLEGE,
BHIFMUNIPATNAM

Name of the Department: Physics

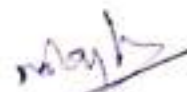
Name of the Lecturer: M. Rajeswara Rao

Class: B.Sc.

Year: I Year, 2nd SEMESTER

Paper: Solar Energy

S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value Addition Provided /taught	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		
17	Jan 2022	1 st week	2	SEMESTER EXAMINATIONS		Invigilation									
18		2 nd week	2	SEMESTER EXAMINATIONS		Invigilation									
19		3 rd week	2	Commencement of 3 rd semester											
20		4 th week	2												


Signature of the Lecturer


Signature of the Principal

TOBER.

SVLNS GOVT. DEGREE COLLEGE, BHEEMUNIPATNAM
TABLE-A-CURRICULAR SEMESTER PLAN-LECTURER-WISE

Subject: English

Class: Bsc & BA
11 Sem

Year: Sept - 21 to Dec 21.

Paper: 1

Name of the Lecturer: Smt. D. Madhuri

Sl. No	Month & Week	Hours Available	SYLLABUS TOPIC	Additional input/ Value additional	CURRICULAR ACTIVITY				CO-Curricular Activity				REMARK
					Activity	Hours allotted	Whether conducted	If not Alternative date	activity	Hours allotted	Whether conducted	If not alternative date	
2	3	4	5	6	7	8	9	10	11	12	13	14	
1WEEK	3		The dolls house one word substitutes	Slideshare	Instruction	1	Yes	—	Project on Voc. related to House.	1	NO.	By Nov 1st week.	
				PPT	Elicitation	1	Yes	—					
2WEEK	4		Ode to the West wind Skimming & Scanning.	PPT	Instruction	2	Yes	—	IPS	1	Yes	—	
				Handouts	Instruction	1	Yes	—					
3WEEK	2		Florence Nightingale	PPT	Instruction	2	Yes.		Project on Women Achievers.				
4WEEK	4		The night train at Deoli Upa gupta	Slide Share.	Explanation	2			Rob Play.				
				Youtube video	Explanation	2							

Smt. D. Madhuri
Signature of Lecturer

Smt. D. Madhuri
Signature of the Department in-charge

Smt. D. Madhuri
Signature of the Principal

SVLNS GOVT. DEGREE COLLEGE, BHEEMUNIPATNAM
TABLE-A-CURRICULAR SEMESTER PLAN-LECTURER-WISE

EMBER,

Subject: English

Class: **BSC & BA**
11 SEM

Year: **Sept - Dec 21**

Paper: **1**

Name of the Lecturer: Smt. D. Madhuri

IO	Month & Week	Hours Available	SYLLABUS TOPIC	Additional input/ Value additional	CURRICULAR ACTIVITY				CO-Curricular Activity				REMARK
					Activity	Hours allotted	Whether conducted	If not Alternative date	activity	Hours allotted	Whether conducted	If not alternative date	
2	3	4	5	6	7	8	9	10	11	12	13	14	
1WEEK	4	Reading Comprehension Note Making & Note Taking	Handouts Inst'n Handouts Inst'n	Inst'n	2 1	Conducted Conducted		TPS. Pairwork	1	Conducted			
2WEEK	4	Oronanda Fisheries Expansions Fun ideas	Youtube Video Handouts Inst'n	Inst'n Inst'n	2 2	Conducted Conducted		Pairwork					
3WEEK	4	Notes and Agendas minutes.	Handouts Inst'n	Inst'n	1 1 1	Conducted Conducted Conducted		Pairwork Roleplay	1	Conducted			
4WEEK	4	Astrologer's Day CV & Resume	You tube video Handouts Inst'n	Inst'n Inst'n	2 2	Conducted Conducted		Role Play Group work	1	Conducted			

Tomelhi
Signature of Lecturer

Tomelhi
Signature of the Department in-charge

[Signature]
Signature of the Principal

SVLNS GOVT. DEGREE COLLEGE, BHEEMUNIPATNAM
TABLE-A-CURRICULAR SEMESTER PLAN-LECTURER-WISE

EMBER.

Subject: English

Class: Bsc & BA
11 Sem.

Year: Sept - 21 To
Dec - 21

Paper: 1

Name of the Lecturer: Smt. D. Madhuri

Sl. No.	Month & Week	Hours Available	SYLLABUS TOPIC	Additional input/ Value additional	CURRICULAR ACTIVITY				CO-Curricular Activity				REMARK
					Activity	Hours allotted	Whether conducted	If not Alternative date	activity	Hours allotted	Whether conducted	If not alternative date	
2	3	4	5	6	7	8	9	10	11	12	13	14	
1	1WEEK	4	Letters & Correspondence	Handouts explanations	3	Conducted			Assignment 1	1	Conducted		
2	2WEEK	4	Revision	Model Papers worksheets	Revision Tests	3	Conducted		Test - 1	1	Conducted		
3	3WEEK	2	Revision	Model Papers worksheets	Revision Tests	2	Conducted		Test				
4	4WEEK												

Smt. D. Madhuri
Signature of Lecturer

Smt. D. Madhuri
Signature of the Department in-charge

[Signature]
Signature of the Principal

Annual curriculum plan for Semester II for the academic year 2020-2021 is circulated on 6-10-2020 guidelines for Lecture plan for this Semester

Amalini
Lecturer in English

Signatures of Students :-

S. Sai

V. Satish

S. Ratu

K. Ramu

R. Swathi

A. Naveen

N. Nanya

A. Babu

SVLNS GOVT. DEGREE COLLEGE, BHEEMUNIPATNAM
TABLE-A-CURRICULAR SEMESTER PLAN-LECTURER-WISE

October-2021

Department: English

Class: II Sem
B.Z.C, B.COM

Year: Sep 2021 to Dec 2021 Paper: I

Name of the Lecturer: Sri. Y. Venkata Rao

I.NO	Month & Week	Hours Available	SYLLABUS TOPIC	Additional input/ Value additional	CURRICULAR ACTIVITY				CO-Curricular Activity				REMARK
					Activity	Hours allotted	Whether conducted	If not Alternative date	activity	Hours allotted	Whether conducted	If not alternative date	
2	3	4	5	6	7	8	9	10	11	12	13	14	
1WEEK	3	3	How To Avoid Foolish Opinions	PPT	Demo	2	Yes	—	project work	1	Yes		
2WEEK	4		One Word Substitutes	Handouts	instruction	2	Yes	—	quiz	1	Yes		
				Handouts	instruction	1	Yes	—					
3WEEK	2	2	Collocation	Handouts	instruct	1	Yes	—	quiz	1	Yes		
4WEEK	4		The Doll's House	slides	Demonstration	1	Yes	—	project	1	No	By Nov 1st week	
			ode to the Westwind	PPT	elucidation	2	Yes	—					

Venkat
Signature of Lecturer

l m d r
Signature of the Department in-charge

l m d r
Signature of the Principal

SVLNS GOVT. DEGREE COLLEGE, BHEEMUNIPATNAM
TABLE-A-CURRICULAR SEMESTER PLAN-LECTURER-WISE

November

Department: English

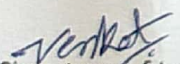
Class: II sem
B2C, B.com

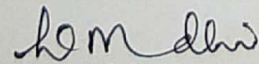
Year: Sep 2021 - Dec 2021


Paper: I

Name of the Lecturer: Sri. Y. Venkata Rao

NO	Month & Week	Hours Available	SYLLABUS TOPIC	Additional input/ Value additional	CURRICULAR ACTIVITY				CO-Curricular Activity				REMARK
					Activity	Hours allotted	Whether conducted	If not Alternative date	activity	Hours allotted	Whether conducted	If not alternative date	
2	3	4	5	6	7	8	9	10	11	12	13	14	
1WEEK	04		Florence Nightingale	PPT	Explanation	2	Yes	-					
			SKimming Scanning	Handouts	Elicitation	1	Yes	-	Newspaper reading	1	Yes		
2WEEK	04		The Night Train at Deoli	Slides	Demonstration	2	Yes	-					
			Upagupta	Youtube Video	Elucidation	1	Yes	-	Role play	1	Yes		
3WEEK	04		Reading Comprehension	Handouts	Reading	1	Yes	-	Newspaper	1	Yes		
			Note Making Note Taking	Handouts	Reading	1	Yes	-	Newspaper Reading	1	Yes		
4WEEK	04		Coromandel Fisheries	PPT	Instruct	2	Yes	-					
			Expansion of ideas	Handouts	Inductive	1	Yes	-	Writing				
			Notices, Agenda and Minutes	Handouts	Reading	1	Yes	-					


Signature of Lecturer


Signature of the Department in-charge


Signature of the Principal

SVLNS GOVT.DEGREE COLLEGE, BHEEMUNIPATNAM
TABLE-A-CURRICULAR SEMESTER PLAN-LECTURER-WISE

December, 2021

Department: English

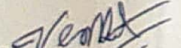
Class: II Sem
B2C, Bcom

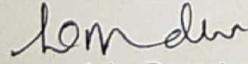
Year: Sep 2021 - Dec 2021

Paper: I

Name of the Lecturer: Sri. Y. Venkata Rao

Sl. NO	Month & Week	Hours Available	SYLLABUS TOPIC	Additional input/ Value additional	CURRICULAR ACTIVITY				CO-Curricular Activity				REMARK
					Activity	Hours allotted	Whether conducted	If not Alternative date	activity	Hours allotted	Whether conducted	If not alternative date	
2	3	4	5	6	7	8	9	10	11	12	13	14	
1WEEK	4	Astrologer's day CV Letters E-correspondences	1 1 1 1	Explanation Handouts Handouts PPT	1 1 1 1	Yes Yes Yes Yes							
2WEEK	4	Revision	Model Papers	Revision Tests	3			Test					
3WEEK	2	Revision	Work Sheets	Revision Tests	2			Test					
4WEEK													


Signature of Lecturer


Signature of the Department in-charge


Signature of the Principal

Annual Curriculum plan for Semester II for
the academic year 2020-2021 is circulated
on 6-10-2021 as guidelines for Lecture plan for
this Semester.

Signatures of Students :-

R. Revanth

L. Ravi

K. Sai

K. Kumar

G. Pongal

B. Sai Kumar

S. Radhika Devi

5/4/21