



I, III, V SEMESTERS CURRICULAR PLAN
2020-2021
DEPARTMENT OF PHYSICS
S.V.L.N.S. GOVERNEMNT DEGREE COLLEGE
BHEEMUNIPATNAM

First Semester Curricular Plan (Feb- May 2021) Name of the College: S.V.L.N.S.GOVERNMENT DEGREE COLLEGE. Name of the Department: Physics BHEEMUNIPATNAM Name of the Lecturer: M. Rajeswara Rao Class: Year: I Year, 1st SEMESTER Paper: Mechanics and Properties of matter B.Sc. waves and oscillations Week Hours Syllabus Topic Month S. Additio Curricular Activity availabl Co-curricular Activity Remar No nal e ks Input/ Hour Activity Whet If not. Activity Value Hour Whe If not. Conducte her altern Conducte Additio 5 ther altern allott đ condu ate d allett con ate n ed cted date ed Provide duct date ed. d taught 110 6 Bridge course 1 Teaching Formativ Yes week 01 Yes Theory + e test Practical 2^{ed} Mechanics of Particles: Review of 4+2 Teaching Assignme Newton's Laws of Motion, Motion of week Theory + nt 1 variable mass system, Motion of a 2 Practical 01 Yes rocket, Multistage rocket, Concept of Yes Feb impact parameter, scattering cross-2021 section. Practical 1 316 Rutherford scattering-Derivation 4+2 Teaching Mechanics of Rigid hodies: Rigid body, week Theory + 4+2 yes rotational kinematic relations, Equation 3 Practical of motion for a rotating body, Angular momentum and Moment of inertia

Teaching

Theory +

Practical

423

4+2

Signature of the Lecturer

414

week

4

4+2

tensor, Euler equations.

equinoxes. Practical 2

Precession of a spinning top, Gyroscope,

Precession of atom and nucleus in

magnetic field, Precession of the

Practical 1

Signature of the Principal

Yes

01

Student

seminar

First Semester Curricular Plan (Feb- May 2021) Name of the College: S.V.L.N.S.GOVERNMENT DEGREE COLLEGE, Name of the Department: Physics BHEEMUNIPATNAM Name of the Lecturer: M. Rajeswara Rao Paper: Mechanics and Properties of matter Year: I Year, 1th SEMESTER Class: B.Sc. Month Week Hours Curricular Activity Co-curricular Activity Rers. Syllabus Topic Additional No avnilab rks Input/ le Whe If not, Activity Hour Value Whet If not, Activity Hou Conducte altern altern 5 ther Addition her Conducte 15 allett ate Provided con d nllo cond ate ed duct date /taught tted ucted date ed 5 116 4+2 Motion in a Central Force Field Teaching week Central forces, definition and Theory + examples, characteristics of central Practical Yes 4+2 forces, conservative nature of central forces, Equation of motion under a central force, Practical 2 2rd Kepler's laws of planetary motion Teaching Mid week Proofs, Motion of satellites, Basic idea exam 1 Theory + 6 01 443 4+2 403 of Global Positioning System (GPS), Practical March weightlessness, Physiological effects of 2021 astronauts Practical 3 3nt Assignme 4+2 Relativistic Mechanics Teaching week Introduction to relativity, Frames of nt 2 Theory + 01 Yes 4+2 Yes 7 reference, Galilean transformations, Practical absolute frames, Michelson-Morley experiment, negative result Practical 3

Teaching

Theory +

Practical

442

403

Signature of the Lecturer

time dilation,

Practical 4

Postulates of Special theory of

relativity, Lorentz transformation,

4th

week

4+2

HEF	of the Col MUNIPA	lege: S.V.I TNAM	N.S.GOV	ERNMENT DEGREE COLLEGE,		Name of the	Departm	ent: Phy	sics				7 11	
ame	of the Lec	turer: M.	Rajeswara	Rao	Class: B.Sc.	Year: I	Year, 1st	SEMEST	ER	Paper: Me	chanics	and #re	oralização Lukes	Smatter School
S. No	Month	Week	Hours availabl	Syllabus Topic	Addition al Input/	Cui	rricular .	Activity			urricula	incomparison areas		Remar
			•		Value Addition Provided /taught	Activity Conducted	Hour s allott ed	Whet her cond ucted	If not, altern ate date	Activity Conducte d	Hour s allott ed	Whe ther con duct ed	If not, altern ate date	
13	git.	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	442	Yes		Assignme nt 4	01	Yes		
14	May 2021	2 ^{NB} week	4+2	Modes of vibration of stretched string clamped at ends, Overtones and Harmonics, Melde's strings.		Teaching Theory + Practical	441	Yes		Bracties? Examinat ions-				
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	400						
16		4 ^{TII} Week	4+2	Applications of ultrasonic waves, SONAR		Teaching Theory + Practical	4+2	Yes		Semester end examinati ons				

First Semester Curricular Plan (Feb - May 2021)

		TNAM turer: M. F	tajeswara l	Rao	Class: B.Sc.	Year: I'	Vear.1st	SEMES	TER	Paper: Me	chanies a	nd Prop	erties of	mati
S. No	Month	Week	Heurs availabl	Syllabus Topic	Additional Input/			Activity		Co-cı	ırricular	Activity		Ren
			e		Value Addition Provided /taught	Activity Conducte d	Hou rs allot ted	Whet her cond ucted	If not, altern ate date	Activity Conducte d	Hour s allott ed	Whe ther cond ucte d	If not, altern ate date	
9	13	I" week	4+2	length contraction, variation of mass with velocity, Einstein's mass-energy relation Practical 4		Teaching Theory + Practical	442	463		Assignme nt 3	oi	743		
10	April 2021	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		Teaching Theory + Practical	442	413		Student seminar	ام	445		
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	Чеь		2 nd mid exam	01	44		
12		4 th Week	3+2	Coupled oscillations: Coupled oscillators-Introduction, Two coupled oscillators, Normal coordinates and Normal modes-Practical 6		Teaching Theory + Practical	342	Yes						

Signature of the Lectures

HE	MUNIPA	TNAM		ERNMENT DEGREE COLLEGE,		Name of the	Depa	rtment: l	hysics			5.27	aries a	nd osc
Name	of the Lec	turer: M.	Rajeswara	Rao	Class: B.Sc.	Year: 1 Ye	ar, 1	SEME	STER	Paper: Me	echanics	and Ero	perties of	matter
S. No	Month	Week	Hours availab	Syllabus Topic	Additional Input/	Curr	icular	Activity		Co-c	urricula	r Activit	y	Remn rks
			le		Value Addition Provided /taught	Activity Conducted	Ho ur s all ott	Whet her cond ucted	If not, altern atc date	Activity Conducte d	Hour s allott ed	Whe ther con duct ed	If not, altern atc date	
17		1 ST week	4+2	SEMESTER EXAMINATIONS		Invigilation		4+2		Yes	142 4+2	silnim —	,	
18		2 ND week	4+2	SEMESTER EXAMINATIONS		Invigilation		40>		143	Zervis	upt Jan	v	
19	June 2021	3 RD week	4+2	Commencement of 2 rd semester (
20		4 TH week	4+2										Y.	
		168	Out of the Test								Da Z	-1)

Circulated among all the Students on 28/1/2021

- ') S. Jhansi
- 2) A. Sanjana
- 3) D. Sutish
- 4) ch. Phaniteja
- 5) S. Nani
- 6) T. Harika
- 7) P. Aruna
- 8) k. Ashok
- 9) S. Aravind
- 10) N. 40Pi
- 11) R. sekhar
- 12) M. sufesh
- 13) & Synon Kurner
- 14) m, sorya Prakush
- 15) P. Degal

					ster Curricula	ar Pian 2020-	21							
Name o	f the Colle	ege: S.V.L	N.S. GOVE	RNMENT DEGREE COLLEGE	7.7	Name of th	e Departn	nent: PH	VSICS					
			AJESWAR	A RAO	Class: B.Sc.	Yea	r: 3 RD SE	MESTER	ι		Paper:	WAVE C	PTICS	
S. No	Mont h	Week	Hours available	Syllabus Topic	Additional Input/	C	urricular	Activity		Co-	curricul:	ar Activi	ty	Rema
					Value Addition Provided /taught	Activity Conducte d	Hours allotte d	Whet her cond ucted	If not, altern ate date	Activity Conduct ed	Hour s allott ed	Whet her cond ucted	If not, altern ate date	
1	Nov 2020	NEEK	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.	01 Concepts of deviation and dispersion	Teaching + Practical	4+2	yes		Assist	10			
	p)	10	119)	- 447 215									-	
										L.,	_			

Signature of the Lecturer

Semester Curricular Plan 2020-21

			-ATT POP		Name of t	he Depar	tment: F	HYSICS		-	
of the Lee	llege: S.V.	L.N.S GOVE RAJESWA	RA RAO	Class: B.Sc.	- 500				P	aper: V	VAVE
Month	Week		Syllabus Topic	Additional	C	orricular	Activity		Co-c	urricula	r Activ
		available		Value Addition Provided /taught	Activity Conducte d	Hour s allott ed	Whet her cond ucted	If not, altern ate date	Activity Conducte d	**	
	2 rd 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		Assignme nt 1	01	405
Nov 2020	3rd 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	405		Student seminar	01	40
	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	- 1	Quiz	01	Yes
	of the Lec	of the Lecturer: M. Month Week 2rd week Nov 2020 3rd week	Month Week Hours available 2rd 4+2 week Nov 2020 3rd week	2rd week Unterference: 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 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). 4th 4th 4th 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	Month Week Hours available 2rd 4+2 Interference: Principle of superposition – coherence-temporal coherence and spatial coherence of light. Fresnel's biprism-determination of wavelength of light –change of phase on reflection Nov 2020 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). 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	of the College: S.V.L.N.S GOVERNMENT DEGREE COLLEGE of the Lecturer: M. RAJESWARA RAO Month Week Hours available 2nd 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 Nov 2020 4+2 Oblique incidence of a plane wave on a thin film due to reflected and transmitted light (cosine law) – colors of thin films- uweek Interference by a film with two non-parallel reflecting surfaces (Wedge shaped film). 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 Teaching + Practical	of the College: S.V.L.N.S GOVERNMENT DEGREE COLLEGE of the Lecturer: M. RAJESWARA RAO Month Week Hours available 2rd week 1 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 1 Teaching phase difference 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). 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	of the College: S.V.L.N.S GOVERNMENT DEGREE COLL.EGE. of the Lecturer: M. RAJESWARA RAO Month Week Hours available Syllabus Topic Additional input/ Value Addition Provided /taught Lecturer: M. RAJESWARA RAO 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 on a thin film due to reflected and transmitted light (cosine law) – colors of thin films week At 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). At 2 At 2 Determination of diameter of wire, Newton's rings in reflected light. Michelson interferometer, Determination of wavelength of mononchromatic light using Newton's rings and Michelson Class: Additional input/ Value Activity A	of the College: S.V.L.N.S GOVERNMENT DEGREE COLLEGE of the Lecturer: M. RAJESWARA RAO Month Week Hours available Syllabus Tople Syllabus Tople Additional Input Value Addition Provided // value Activity Activity Conducte sallott ed week Practical Hour Conducte sallott ed veck Practical Year: 3 ^{kb} SEMETER Curricular Activity Activity Conducte sallott ed veck Practical Year Teaching Practical Year: 3 ^{kb} SEMETER Curricular Activity Activity Addition Provided // value Activity Activity	Month Week Hours available Syllabus Topic language and superposition - coherence-temporal coherence and spatial coherence-conditions for interference of light. Fresnel's hiprism-determination of wavelength of light -change of phase on reflection at transmitted light (cosine law) - colors of thin films language shaped film). Nov 2020 4** 4** 4** Additional Input Value Addition Provided //aught Activity Addition Provided //aught Activity Addition Provided //aught Activity Conducte allott cond alternation of wavelength of light-change of phase on reflection Practical Student seminar Teaching + Practical Student seminar Teaching + Practical Student seminar Teaching + Practical Student seminar Student seminar Activity Conducte allott cond alternate of difference or allott of the phase difference or seminar seminar Teaching + Practical Student seminar Ouiz Student seminar Ouiz Student seminar Activity Activity Activity allott allott cond altern at the date date of the practical seminar allott conducte allott alternate allott alternat	of the College: S.V.L.N.S GOVERNMENT DEGREE COLLEGE. of the Lecturer: M. RAJESWARA RAO Month Week Hours available Syllabus Tople Additional juput/ Value Addition Provided / taught Activity Activi

Signature of the tecturer

						Curricular	Plan 2020-21								
Name	of the Coll	ege: S.V.I	N.S GOVE	RNMENT DEGREE O	COLLEGE	====	Name of the	Departi	nent: Pl	IYSICS					
			RAJESWAR	A RAO		Class: B.Sc.	Year	: 3 RD SE	MSTER		P	per: W	AVE O	PICS	
S. No	Month	Week	Hours available	Syllabus T	Topic	Additional Input/	Cur	ricular	Activity		Co-cu	rricular	Activity	y.	Rema
				- 2-	4	Value Addition Provided /taught	Activity Conducte d	Hour 5 allott ed	Whet her cond ucted	If not, altern ate date	Activity Conducte d	Hour s allott ed	Whe ther con duct ed	lf not, altern ate date	
5	16 2	1" week	4+2	Diffraction: Introdu distinction between Fraunhoffer diffract Fraunhoffer diffract due to single slit	Fresnel and tion,		Teaching + Practical	4+2	403	-	Mid Examinat ions	01	408		
6	Dec	2 nd week	4+2	Fraunhoffer diffraction double slit-Fraunhof pattern with N slits grating). Resolving	offer diffraction (diffraction		Teaching + Practical	1	409	. -			1		
7	2020	3rd Week	4+2	Determination of w in normal inciden deviation methods grating,	ce and minimum using diffraction		Teaching + Practica		2 4	8 -					
8	317	4 th week	4+2	Fresnel's half peri the half period zon comparison of zon convex lens-differ interference and o	nes-zone plate- ne plate with ence between		Teachin + Practic	14.	12 4	es -	Assign nt 2		>1 4	es	
	-		Corne Lec	> turer								Signatu	re of the	e Princip	al C

Semester Curricular Plan 2020-21

Name	e of the Col	lege: S.V.L	N.S GOVE	RNMENT DEGREE COLLEGE		Name of the	Departm	ent: PHY	SICS				
Name	of the Lec	turer: M. I	RAJESWAR	A RAO	Class: B.Sc.	Vent	3 RP SE	MESTER		P	aper: V	AVE	P.
S. No	Month	Week	Hours available	Syllabus Topic	Additional		rricular			Со-с	urricula	Activi	ty
					Input/ Value Addition Provided /taught	Activity Conducted	Hour s allott ed	Whet her cond ucted	If not, altern ate date	Activity Conducte d	Hour s allott ed	Who they cond note d	1
09		1st week	4+2	Polarisation: Polarized light: methods of polarization polarization by reflection, refraction, double refraction, scattering of light		Teaching + Practical	4+2	Yes		Assignme at 3	411	10	
10	Jan 2621	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	પહ		Student seminar	10	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	Lusers and Holography: Lasers: introduction, spontaneous emission, stimulated emission. Population Inversion, Luser principle		Teaching + Practical	4+2	403		Assignme nt 4	6)	403	

Signature of the facturer

Name	of the Coll	lege: S.V.1	LNS GOVE	RNMENT COLLEGE		Name of the I	Departe	nent: PI	vsics					-
			RAJESWAI		Class: B.Sc.	and the first of the second second	400000000000000000000000000000000000000	MESTE	and the same of th		Paper:	WAVE	OPTICS	
S. No	Month	Week	Hours	Syllabus Topic	Additiona 1 Input/	Curr	icular .	Activity		C	o-curricul	ar Activi	ity	Rema
					Value Addition Provided /taught	Activity Conducted	Ho urs allo tted	Whet her cond ucted	If not, altern atc date	Activity Conduc ted	Hours allotted	Whet her cond ucted	If not, alternate date	
13		l" 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,	11	Teaching + Practical	4+2	Yes	-	Assign ment 5	0)	Yes		
14	Feb 2021	yal Meek		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	442	Yes						
15		y-d week	4+2	Revision		Teaching + Practical	442	Yes		Grand Quiz	01	Les		
16		4 th week	4+2	Revision		Invigilation	4+2	403		PRACTI CAL EXAMIN ATIONS				

Signature afthe Lecturer

Semester Curricular Plan 2020-21

			. NE COM	ERNMENT DEGREE COLLEGE		Name of the	Depar	tment: P	HYSICS				-
Name	e of the Col	turer: M.	RAJESWA	RA RAO	Class: B.Sc.	Year:	3RD SI	MESTE	R		Paper:		
S.	Month	Week	Hours	Syllabus Topic	Additiona	Cur	ricular	Activity	65.	(Co-curricu	lar Activ	ity
No	318	yes	available	287 518	l Input/ Value Addition Provided /taught	Activity Conducted	Ho urs allo tted	Whet her cond ucted	If not, altern ate date	Activity Conduc ted	Hours allotted	Whet her cond ucted	If to sitera data
17		1 st week	4+2	Semester end THEORY EXAMINATIONS		invigilation				Yes	Invis	lding	
18		2 nd week	4+2	Semester end THEORY EXAMINATIONS FROM		invigilation				yes	Enn'h	WIND	
19	March 2021	3 rd week	4+2	Commencement of IV semester					Yel o				
20		4th week	4+2										
			1							1			

Signature of the Lecturer

Name o	f the Coll	ege: S.V.L.	N.S. GOVE	RNMENT DEGREE COLLEGE		Name of the	Departme	nt: PHY	SICS					******
-		and continues in an invasion of the continues in an	AJESWAR		Class: B.Sc.		: 5th SEM	The second second second		2007	Ele	ricity, Ma ectronics		and
S. No	Mont	Week	Hours available	Syllabus Topic	Additional	Cu	rricular A	ctivity		Co-c	urricula	r Activity	F	Remar
			available		Input/ Value Addition Provided /taught	Activity Conducte d	Hours allotte d	Whet her cond ucted	If not, altern ate date	Activity Conduct ed	Hour s allott ed	Whet her cond ucted	If not, altern ate date	
	6.83	WEEK	3+2	RE OPENING DAY IS 02/11/2020 INTRODUCTION TO SYLLABUS		Teaching +Practical	3+2	405	~	Assignm ent 1	01	yes	-	
1	Nov	1.0		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										
	2020			Electrical potential – equipotential surfaces- potential due to i) a poin charge, ii) charged spherical shell and uniformly charged sphere.	t:									

Signature of the Lecturer

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cturer: M.	RAJESWA	RA RAO	Class:	Year	: 5° SE	MESTE	R	rape.	Pale	ctronics	
Month Week Hours syllabus Topic available		Syllabus Topic	Additional	Cui	rricular	Activity		Co-ci	urricular	Activit	,
	available		Input/ Value Addition Provided /tanght	Activity Conducte d	Hou rs allot ted	Whet her cond ucted	If not, altern atc date	Activity Conducte d	Hour s allott ed	Whe ther con duct ed	If nut, altern ate date
2 nd week	3+2	Dielectries: Electric dipolemoment and molecular polarizability- Electric displacement D. electric polarization P		Teaching+ Practical	3+2	Yes	-	Assignme nt 2	01	Yes	
3rd week	3+2	Relation between D, E and P- Dielectric constant and susceptibility. Boundary conditions at the dielectric surface.		Teaching+ Practical	3+2	Yes	-	seminar	ol	403	
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	P1	Yes	
	Week 2nd week 3nd week	Week Hours available 2 to 3+2 week 3 od 3+2 week	Hege: S.V.L.N.S GOVERNMENT DEGREE COLLEGE clurer: M. RAJESWARA RAO Week Hours available 2 d	Class: B.Sc.	Class: B.Sc. Vear	Week Hours available Syllabus Topic Additional Input/ Value Addition Provided /taught Dielectrics: Electric dipolemoment and molecular polarizability- Electric displacement D, electric polarization P Relation between D, E and P-Dielectric constant and susceptibility. Boundary conditions at the dielectric surface. Teaching+ Practical 3+2 Relation between D, E and P-Dielectric constant and susceptibility. Boundary conditions at the dielectric surface. Teaching+ Practical 3+2. Teaching+ Practical 3+2. Teaching+ Practical 3+2.	Restrict of the Department: Performent Degree College S.V.LN.S GOVERNMENT DEGRee College Section Section	Syllabus Tople Class: Semester	Class: Year: 5° SEMESTER Paper Version Syllabus Topic Additional Input Value Addition Provided / Itaught Syllabus Topic Additional Input Activity Hou and Input Conducte Activity Conducte Act	Class: B.Sc. Name of the Department: PHYSICS	Rectard Syllatus Topic Class: Syllatus Topic Co-curricular Activity Co-curricular Activity Conducte Activity Syllatus Topic Additional Input Value Input Input Value Input I

Name	of the Col	lege: S.V.I	"N.S GOVE	RNMENT DEGREE COLLEGE		Name of the	Departm	ent: PH	YSICS					
			RAJESWAI	RA RAO	Class: B.Sc.	The second secon	5th SEM	One Troubstance	-9 11500	Paper V		etronics	agnetism	and
S. No	Month	Week	Hours available	Syllabus Topic	Addition al Input/	Cui	rricular /	Activity		Co-c	urricula	r Activit	y	Rem
					Value Addition Provided /taught	Activity Conducted	Hour s allott ed	Whet her cond ucted	If not, altern ate date	Activity Conducte d	Hour s allott ed	Whe ther con duct ed	If not, altern ate date	
5		j" 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	403	-	FIRST MID EXAM	ρļ	Yes		
6	Dec	2 nd week	3+2	Energy stored in magnetic field. Transformer - energy losses - efficiency.		Teaching+ Practical	3+2	Yes	-					
7	2020	3rd 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	-	Assignme nt 3	01	Yas		
8	a):	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

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Comertor	Curricular	Plan 2020-2021	
Semester	Curricular	I Hall LULU AVE	١.

	ie of the C	onege, a.v.	LANS GOV	ERNMENT DEGREE COLLEGE		Name of th						
Nam	e of the L	ecturer: M.	RAJESWA	RA RAO	Class: B.Sc.	4	ır: 5 th SE			Paper V		
S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/ Value	C	urricular	Activity		Co-c	urricula	r Activi
				1,0 -1,7	Addition Provided /taught	Activity Conducte d	Hour s allott ed	Whet her cond ucted	If not, altern ate date	Activity Conducte d	Hour s allott ed	Whe ther cond ucte d
9		1st 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	-	Assignme nt 4	0)	Yes
0	Jan 2021	yeek	3+2	Transverse nature of electromagnetic waves.Poynting theorem (statement and proof), production of electromagnetic waves (Hertz, experiment).		Teaching +Practical	3+2	443	-	Student seminar	0)	Yes
1	74	3rd Week	3+2	Basic electronics: PN juction diode, Zener diode, Tunnel diode, I-V characteristics, PNP and NPN transistors, CB, CE and CC configurations		Teaching +Practical	3+2	yes				
		4 th week		- Relation betweenα, β and γ - transistor (CE) characteristics - Determination of hybrid parameters, Transistor as an amplifier		Teaching +Practical	4es 3+2	Yથ્ય	-	Quiz	01	Yes

Signature of the Lucturer

Vame	of the Coll	lege: S.V.1	_N.S GOVE	RNMENT COLLEGE		Name of the	Denart	ment: PI	IYSICS					
Vame	of the Lec	turer: M.	RAJESWAI	IA RAO	Class: B.Sc.			MESTE		Paper		etricity, Electroni	Magnetism :	and
S. No	Month	Week	Hours available	Syllabus Topic	Additiona Input/	Cur	ricular	Activity		Co-c	urricu	lar Activ	ity	Remai
					Value Addition Provided /taught	Activity Conducted	Ho urs allo tted	Whet her cond ucted	If not, altern ate date	Activity Conducted	Hou rs allot ted	Whet her cond ucted	If not, alternate date	, as
13		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+P ractical	3+2	Yes	-	Assignmen 15	01	Yes		
14	Feb 2021	2 nd neek	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+P ractical	20000	Yes	~					
15		3rd week	2+2	Revision		Teaching+P ractical	2+2	405	1	Grand Quiz	0)	Yes		
16		4 th week	3+2	Revision		Invilation	312	۲۰۰۶		PRACTIC AL EXAMIN ATIONS		703		

Signature of the exeturer

Semester Curricular Plan 2020-2021

of the Co	llege: S.V.	L.N.S GOV	ERNMENT DEGREE COLLEGE		Name of the	Depart	ment: Pl	HYSICS				
of the Le	cturer: M.	RAJESWA	RA RAO	Class: B.Sc.	180186	(ii. 150)	200		The second secon		THE CITY OF	Ca
Month	Week	Hours	Syllabus Topic	Additiona	Curr	ricular	Activity		Co-c	arricul	ar Activ	ity
		available	x- === ================================	Value Addition Provided /taught	Activity Conducted	Ho urs allo tted	Whet her cond ucted	If not, altern ate date	Activity Conducted	Hou rs allot ted	Whet her cond ucted	If not, alternated
/r)	1 st week	3+2	Semester end THEORY EXAMINATIONS		Invigilation							
	2 nd week	3+2	Semester end THEORY EXAMINATIONS		Invigilation							
March 2021	3 rd week	3+2	Commencement of VI semester					11				
	4 th week	3+2										
	Month March	Month Week Month Week 1st week 2st week March 2021 3st week	Month Week Hours available 1st	March 2021 Au Au Au Au Au Au Au Au Au A	Month Week Hours available Syllabus Topic Additiona I Input/ Value Addition Provided /taught 1st	Month Week Hours available Syllabus Topic Additiona I Input/Value Addition Provided /taught 1st 3+2 Semester end THEORY EXAMINATIONS 2sd 3+2 Semester end THEORY EXAMINATIONS March 2021 3sd 3+2 Commencement of VI semester week 4sd 3+2 Comme	March 2021 Month Week Hours available Syllabus Topic Additiona I Input/Value Additiona Provided Invigilation Syllabus Topic Additiona I Input/Value Additiona Provided Invigilation Semester end THEORY EXAMINATIONS March 2021 3+2 Semester end THEORY EXAMINATIONS March 2021 3+2 Commencement of VI semester week 4** 3+2 Commencement of VI semester	Month Weck Hours available Syllabus Topic Additiona Input Value Activity Ho Whete Hours available Syllabus Topic Additiona Input Activity Ho Whete Activity Ho Whete Activity Ho Whete Hours Activity Ho Whete Hours Activity Ho Whete Hours Activity Ho Whete Hours Hours	Month Week Hours available Syllabus Topic Additional Input/Value Activity Value Activity Horizaber Activity Activity Horizaber Activity Horizaber Activity Horizaber Activity Horizaber Activity Activity Activity Activity Activity Activity Activity Activity Activity Ac	March 2021 3** 3+2 Commencement of VI semester 4** 3	Month Week Hours available Syllabus Topic Addition Provided Invigilation Invigilation Invigilation	of the Lecturer: M. RAJESWARA RAO Month Week

Signature of the Vectorer

Name o	I the Culley	ge: S.V.L	.N.S. GOVE	ERNMENT DEGREE COLLEGE		Name of the	Departm	ent: PH	YSICS					
Name o	f the Lectu	rer: M.R	LAJESWAR	A RAO	Class: B.Sc.		r: 5th SE	and the second section in the	Control of the local division in the	P	aper VI:	Modern	Physics	
S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/	Cı	irricular	Activity		Co-	curricula	ar Activit	y	Remar
					Value Addition Provided /taught	Activity Conducte d	Hours allotte d	Whet ber cond ucted	If not, altern ate date	Activity Conduct ed	Hour s allott ed	Whet her cond octed	If not, altern ate date	
1	Nov 2020	I st WEE K	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	705		Assignm ent I	01	Yes		
	788	1.47		- WF 212		11								

Signature of the Latturer

Semester Curricular Plan 2020-21

Nan	te of the Co	flege: S.V.	L.N.S GOV	ERNMENT DEGREE COLLEGE		Name of th	e Depart	tment: P	HYSICS			-	
Nan	e of the Le	cturer: M.	RAJESWA	RA RAO	Class:	Year	: 5th SE	MESTE	R	Pa	per VI:		
S. No	Month	Week	Hours available	Syllabus Topic	B.Sc. Additional	Cu	rricular	Activity		Co-c	urricula	r Activi	ty
			available		Input/ Value Addition Provided /taught	Activity Conducte d	rs allot ted	Whet her cond ucted	If not, altern ate date	Activity Conducte d	Hour 3 allott ed	Whe ther con duct ed	If not, altern ate date
2	. Bay	2 rd 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	,	Assignme nt 2	01	Yes	
3	Nov. 2020	3rd 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 th neck		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	405	

Signature of the Lecturer

Nam	e of the Col	ege: S.V.I	.N.S GOVE	RNMENT DEGREE COLLEGE		Name of the D	epartme	nt: PHY	SICS					
		LONG OF	RAJESWAR	A RAO	Class: B.Sc.	Year: 5	* SEMI	ESTER		Pap	er VI: N	lodern !	Physics	
S. No	Month	Week	Hours available	Syllabus Topic	Addition al Input/	Curr	icular A	ctivity		Co-cu	rricular	Activity		Remu
					Value Addition Provided /taught	Activity Conducted	Hour s allott ed	Whet her cond ucted	If not, altern ate date	Activity Conducte d	Hour s allott ed	Whe ther con duct	If not, altern ate date	
5	47	1 st week	3+2	Eigen functions, Eigen values. Application of Schrodinger wave equation to particle in one dimensional infinite box.		Teachimg+ Practical	3+2	463	-	FIRST MID EXAM	10	Yes		
6	Dec 2020	2nd 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	A1" /	3rd week	3+2	Liquid drop model and Shell model (qualitative aspects only) - Magic numbers. Radioactivity decay: Alpha decay: basics of u-decay processes.		Teaching+ Practical	3+2	- 4e	- 2	Assignm nt 3		1 40	2	
8		4 th week	3+2	Theory of α-decay, Gamow's theory Geiger Nuttal law.β-decay, Energ kinematics for β-decay, positro emission, electron capture, neutric hypothesis.	y m	Teaching Practical	3+	2 40	8 -	Qui	, 0	1 4	23	

Signature of the Lecturer

Semester Curricular Plan 2020-21

Nam	e of the Col	lege: S.V.L	NS GOVE	RNMENT DEGREE COLLEGE		Name of the	Departm	ent: PHY	SICS			
Vame	e of the Lec	turer: M. I	RAJESWAR	A RAO	Class: B.Sc.	Year	: 5ª SE	MESTER		Pa	per VI:	Moder
S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/	Cu	rricular	Activity			urricula	
			Walue Addition Provided //taught Cond week 3+2 Crystal Structure Teach Amorphous and crystalline materials, Prac	Activity Conducted	Hour s allott ed	Whet her cond ucted	If not, altern ate date	Activity Conducte d	Hour s allett ed	Whe ther cond ucte d		
09	511	I st week	3+2			Teaching+ Practical	3+2	yes	-	Assignme nt 4	01	403
10		2 nd week	3+2	diffraction of X-rays by crystals, Brugg's law, experimental techniques, Laue's method and powder diffraction method		Teachimg+ Practical	342	743		Student seminar	01	Yes
11	Jan 2021	3 rd week	3+2	Superconductivity: Introduction - experimental facts, critical temperature - critical field		Teachimg+ Practical	342	403	-			
12	200	4 th week	2+2	Meissner effect - Isotope effect - Type I and type II superconductors - BCS theory (elementary ideas only) - applications of superconductors.		Teachimg+ Practical	3+2	Yes		Quiz	٥١	Yes

Signature of the Secturer

					Semester Curric	ular Pian 2020-	21							
Name	e of the Col	lege: S.V.I	N.S GOVE	RNMENT COLLEGE		Name of the D	epartme	nt: PHY	SICS	etini = = = =			5.72	
Name	e of the Lee	turer: M.	RAJESWAR	A RAO	Class: B.Sc.			ESTER		Paj	per VI	Moder	n Physics	
S. No	Month	Week	Hours available	Syllabus Topic	Addition al Input/	Curi	icular A	ctivity		Co-cu	rricul	ar Activit	ty	Rema
					Value Addition Provide d /taught	Activity Conducted	Hour s allett ed	Whet ber cond ucted	If not, altern ate date	Activity Conducted	Hou rs allot ted	Whet her cond ucted	If not, alternate date	
13		1 st week	3+2	Revision		Teaching+ Practical	3+2	423		Assignmen 15	0)	445		
14	Feb 2021	2 nd week	3+2	Revision		Teachimg+ Practical	372	Yes						
15		3 rd week	3+2	Revision		Teachimg+ Practical	3+2	Yes		Grand quiz	וס	Yes		
16		4 th week	3+2	Revision		Invigilation	342	يعه	>	PRACTIC AL EXAMIN ATIONS	-	42	3	

Signature of the Lecture

Name	of the Col	lege: S.V.I	N.S GOVE	RNMENT DEGREE COLLEGE		Name of the	рерагин	ent: PH	- Sitter	P	aper VI	: Mode	n Physic
Name	of the Lec	turer: M.	RAJESWAI	RA RAO	Class: B.Sc.		5th SEA					ar Activi	
S.	Month	Week	Hours	Syllabus Topic	Addition	Cur	ricular /	Activity		7,183	10000	4500000	iy.
No			avaitable	Value Activity Addition Provide d /taught	Activity Conducted	Hour s allott ed	Whet her cond ucted	If not, altern ate date	Activity Conducted	rs allot ted	Whet her cond ucted	II not altern; date	
17		I st week	3+2			Invigilation				Yes 5	nun	ung	
18	March	2 nd week	3+2	Semester end THEORY EXAMINATIONS		invigilation				yes ,	no 1	uny Silviny	
19	2021	3 rd week	3+2	Commencement of VI semester									
20		4 th week	3+2	1,00 Tel 100									
	s	ignature	ay h						1,	Sign:	iture of	the Prin	cipal

BH	FEMILITATE			ERNMENT DEGREE COLLEGE,		Name of	the Depar	tment: P	hysics					
	M. Control	and the same of the	Rajeswara	Rao	Class: B.Sc.	Year: II	Year, 4	SEME	STER	Paper: The Physics	rmodyna	ımics an	d radiati	on
S. No	Month	Week	Hours availabl e	Syllabus Topic	Additional Input/	С	urricular	Activity	10	Co-et	urriculai	Activit	y	Rema ks
					Value Addition Provided /taught	Activity Conduc ted	Hours allotte d	Whet her cond ucted	If not, altern ate date	Activity Conducte d	Hour s allott ed	Whe ther con duct ed	If not, altern ate date	
1		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 kirclist trussing, or scools	Feeding + Prochal	4+	YES	-	Problems on viscody	01	Yes	-	
850	April 2021	2 nd week	4+2	Mean free path - Viscosity of gases- thermal conductivity-diffusion of gases. Practical I		Textin + Prouted	4+	Yes		Addens orr C, Sms,	01	પહા		
-		3rd Week	4+2	Thermodynamics: Introduction- Isothermal and adiabatic process- Reversible and irreversible processes-	types of systems, zeroto down of Theremotypes	Teacles of Pronting	4+1	Yes	-	A Kosn ment	01	405	-	
		4th week	4+2	Carnnot's engine and its efficiency- Carnot's theorem-Second law of thermodynamics Practical 2		Touls+ Procky	4+2	467		Problem on Carnot's cycle	01	403	-	

Signature of the Lecturer

Fourth Semester	Curricular Pla	n (April 2021-	August 2021)

11.64	Charles ar	*******		ERNMENT DEGREE COLLEGE,		Name of the Department: Physics									
27.20	87.74.00 Sep	Contract No.	Rajeswara	Rao	Class: B.Sc.	Year: II	'ear, 4 th	SEMES	TER	Paper: Thermodynamics and radiation Physics					
S. No	Month	Week	Hours availab	Syllabus Topic	Additional Input/	Curricular Activity				Co-cu		Activity	y .	Rema rks	
		1st Week	le		Value Addition Provided /taught	Activity Conduct ed	Hour 5 allott ed	Whet her cond ucted	If not, altern ate date	Activity Conducte d	Hour s allott ed	Whe ther con duct ed	If not, altern ate date		
5		Week	4+2	Kelvin's and Claussius statements- Entropy, physical significance — Change in entropy in reversible and irreversible processes-Entropy and disorder-Entropy of Universe Practical 2	Podolona un change in Entropy	Tendis t	4+2	yes	525	Ashen ment 2	01	Yes			
6	May 2021	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		Teached Practical	4+2	Yes	-						
7		3rd 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		Teachs of	WES	465	-	A Singn ment	0)	чел	1		
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 + Pocksiss	4+2	Yes	-	Ashign recont	W	40	5	Test	

HEL	MUDITER	LALANA		RNMENT DEGREE COLLEGE,		Name of th	e Depart	meat: P	пумся						
ame	The Control of	urer: M. R		Rao	Class: B.Se.	Year: II	Year, 4th	SEMES	STER	Paper: Thermodynamics and radiation Physics					
S. No	Month	Week	Hours availabl	Syllabus Topic	Additional Input/	Cu	rricular	Activity		Co-cı	Co-curricular Activity				
			1 ¹⁶ week 4+2	Low town	Value Addition Provided /taught	Activity Conduct ed	Hour s allott ed	Whet her cond ucted	If not, altern ate date	Activity Conducte d	Hour s allott ed	Whe ther cond ucte d	If not, altern ate date		
9				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, Pricity point Swill more Toyse Point	Teachild + Amorical	4+2	Yes	-	Problems on inversion fecup	01	Yes			
10	June 2021	2 ⁿ⁴ week	4+2	Kapitza's method-Adiabatic demagnetization, Production of low temperatures Practical 5		Teachist Practish	4+2	467		A soon	ы	Yes			
11		3rd week	4+2	Applications of substances at lowtemperature-effects of chloro and fluoro carbons on ozone layer. Practical 6		Teachy + Practic	4+2	Yes		Quit on how temp play	61	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	Treeny of	the 65 t	4+2	YES		Test	ol	Yes			

Signature of the Secturer

me	MUNIPA of the Lee	turer: M.	Rajeswara	ERNMENT DEGREE COLLEGE, Rao	Class: B.Sc.	Name of the Year: II			30 mm	Paper: T	hermod	lynamics	and rad	iation
	Month	Week	Hours availabl	Syllabus Topic	Additional Input/ Value Addition Provided /taught	Cu		(1)	Physics r Activit		Remar			
0		IST	c	Rayleigh Jane's L. O.		Activity Conduct ed	Hour s allott ed	Whet her cond ucted	If not, altern ate date	Activity Conducte d	Hour s allott ed	Whe ther con duct ed	If not, altern ate date	KS
3		week	A+2	Rayleigh-Jean's law-Quantum theory of radiation-Planck's law- Measurement of radiation-Types of pyrometers	Auce- questions	Teachin+ Prachid	4+2	403	•	Assem mxut	DΙ	Yes		
	July 2021	2 ND week	4+2	Disappearing filament optical pyrometer-experimental determination		Tecs +	U+1	YES	-	Problems on Thermal reduction	01	Yes		
5		3 RD week	4+2	Angstrompyrheliometer- determination of solar constant, Temperature of Sun.		Teally+ Arachd	4+2	۲۷ک	-	Prechy	01	40		
6		4 TH 4+2 Semester End Examinations week			Invisib	non di	uls							

Signature of the Lecturer

24/12/07	Rajeswara	Raq	Class: B.Sc.	The state of the s				Paper: T	hermod	ynamic	s and rad	iation
Week		Syllabus Topic		3,540,0	· car,·	Station		100				
	le		Additional Input/	Ci	ırricular	Activity		Co-c	Rema rks			
	4+2	CPA	Addition Provided /taught	Activity Conduct ed	ed allott	Whet her cond ucted	If not, altern ate date	Activity Conducte d	Hour s allott ed	Whe ther con duct	If not, altern ate date	
1 ⁵¹ week	4+2	SEMESTER EXAMINATIONS		Invisit	18010	uls"				ed		
2 ND week	4+2	SEMESTER EXAMINATIONS		200000		24						
3 ^{kib} week	4+2											
4 ^{tii} week	4+2											
	Week 1st week 2sp week 3stb week	Week Hours availab le 1st 4+2 week 4+2 week 4+2 4tit 4+2	Week Hours availab le Syllabus Topic 1st 4+2 SEMESTER EXAMINATIONS 2ND 4+2 SEMESTER EXAMINATIONS week 4+2 week 4+2 4th 4+2	Week Hours availab le Syllabus Topic Additional Input/ Value Addition Provided /taught 1st 4+2 SEMESTER EXAMINATIONS 2ND 4+2 SEMESTER EXAMINATIONS 3EB 4+2 Week 4+2 Week 4+2 Meek 4+2	Week Hours availab le Syllabus Topic Additional Input/Vulue Addition Provided Additi	Week Hours availab le Syllabus Topic Additional Input/ Value Additional Provided Raught Hour Sallott ed Provided Raught Hour S	Week Hours availab le Syllabus Topic Additional Input/Value Activity Value Addition Provided Raught 4+2 SEMESTER EXAMINATIONS 2ND 4+2 SEMESTER EXAMINATIONS	Week Hours availab le Syllabus Topic Class: B.Sc. Year: II Year,4th SEMESTER Week Hours availab le Syllabus Topic Additional Input/ Value Additional Input/ Value Addition Provided Raught Hour Sher altern ate date 181 4+2 SEMESTER EXAMINATIONS 2ND 4+2 SEMESTER EXAMINATIONS 2ND 4+2 SEMESTER EXAMINATIONS INVISION AND Additional Input/ Conduct s her altern ate date 2ND 4+2 SEMESTER EXAMINATIONS INVISION AND Additional Input/ Sometiment: Physics Class: B.Sc. Year: II Year,4th SEMESTER Curricular Activity Activity Hour Whet her altern ate date 1st week at 4+2 SEMESTER EXAMINATIONS Input/ Sometiment: Physics Additional Input/ Activity Hour Whet her altern ate date 1st week at 4+2 SEMESTER EXAMINATIONS Input/ Sometiment: Physics Additional Input/ Conduct s allow at the provided Activity Activity Hour Whet her altern ate date 1st week at 4+2 SEMESTER EXAMINATIONS Input/ Sometiment: Physics Additional Input/ Conduct s allow at the provided Activity Activity Hour Whet altern ate date 1st week at 4+2 SEMESTER EXAMINATIONS Input/ Sometiment: Physics Additional Input/ Conduct s allow at the provided Activity Activity Hour Whet altern at the provided Activity Activity Hour Whet altern at the provided Activity Activity Hour Whet altern at the provided Activity at t	Week Hours availab le Syllabus Topic Class: B.Sc. Year: II Year, 4th SEMESTER Paper: Topic Additional Input/Value Addition Provided Activity Conduct ed allott conduct ed acted date 151 4+2 SEMESTER EXAMINATIONS 250 4+2 SEMESTER EXAMINATIONS	Week Hours availab le Syllabus Topic Additional Input/Value Addition Provided Raught Hour Conduct ed allott ed ucted date Hours allott ed week Hours availab le Semester examinations 131 4+2 Semester examinations 285 4+2 Semester examinations 156 4+2 week Hours Syllabus Topic Additional Input/Value Addition Provided Raught Hour Conduct ed allott ed ucted date Hour Conduct ed allott ed ucted date Hours Addition Activity Hour Conduct ed ucted date Hours Activity Hour Conduct ed ucted H	Week Hours availab le Syllabus Topic Additional Input/Value Additional Provided Raught At 2 SEMESTER EXAMINATIONS Syllabus Topic Additional Input/Value Additional Provided Raught At 2 SEMESTER EXAMINATIONS Type At 2 SEMESTER EXAMINATIONS Type At 3 SEMESTER EXAMINATIONS Type At 4 SEMESTER EXAMINATIONS	Week Hours availab le Syllabus Topic Class: B.Sc. Year: II Year, 4th SEMESTER Paper: Thermodynamics and rad Physics Additional Input/ Value Addition Provided Ataught Conduct ed allott cond allott cond ed ucted date 4+2 SEMESTER EXAMINATIONS Triving then date 35th 4+2 SEMESTER EXAMINATIONS Triving then date 411 4+2

Signature of the Legaurer

BHE	EMUNIPA'	TNAM	(0) (1) (1) (1) (1)	ERNMENT DEGREE COLLEGE,		EXCENSIONS.				I				
Name	of the Lec	turer: M.	Rajeswara l	Rao	Class: B.Sc.	Year: II	I Year, 6	" SEME	STER	Paper: Ren	ewable	Energy		
S. No	April 2021	Week	Hours availabl	Syllabus Topic	Additional Input/	C	urricular	Activity		Co-curricular Activity				Remar ks
			e		Value Addition Provided /taught	Activity Conduc ted	Hours allotte d	Whet her cond ucted	If not, altern ate date	Activity Conducte d	Hour s allott ed	Whe ther con duct ed	If not, altern ate date	
		1st 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.	week- snessy Theoleum Enemy Consimption in Koolvs	Teacls+	4+2	Чел		SURVEY CENTURED ON Carbon tot Point	P 1	405		
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		Teachio+	4+2	чез		A Stein	ы	Yes		
3		3rd 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		Teochis t Precent	५ +չ_	Yes		Quiz	01	Yey		

Signature of the Lecturer

	PAUNIPA	INAM		ERNMENT DEGREE COLLEGE,		Name of the Department: Physics								
ame	of the Lec	turer: M.	Rajeswara	Rao	Class: B.Sc.	Year: III	Year, 6	SEME	STER	Pa				
S. No	Month	Week	Hours availab	Syllabus Topic	Additional Input/	Ci	Co-ci	urricula	r Activit	y	Rema rks			
00			le		Value Addition Provided /taught	Activity Conduct ed	Hour s allott ed	Whet her cond ucted	If not, altern ate date	Activity Conducte d	Hour 5 allott ed	Whe ther con duct ed	If not, altern ate date	
5		I st week	4+2	Energy resources, coal, oil, natural gas, nuclear and hydroelectric power, impact of exponential rise in energy usage on global economy.		Teachist ProcN	4+2_	428	•	Assen Ment	۱٥	428		
6	May 2021	2 ^{ed} 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		Testes+ Pocary	412	YES	£	Street	PI	403		
7		3rd week	4+2	nuclear energy - promise and future, energy as a factor limiting growth, need for use of new and renewable energy sources.	Micheller Meather - Them and Florian	Teeds +	4+1	Yes	*	Portal	0)	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		Tead + Prads	4+2	чеь		Assis	ol	Yes		

Signature of the Legister

HEE	MUNIPA'	turer: M. F		RNMENT DEGREE COLLEGE,	Class: B.Sc.	Name of the Year: III	907	a servene de la	1	Paper: Renewable Energy					
S. No	Month	Week	Hours availabl	Syllabus Topic	Additional Input/	Curricular Activity				Co-curricular Activity				Remar	
			e		Value Addition Provided /taught	Activity Conduct ed	Hour s allott ed	Whet her cond ucted	If not, altern ate date	Activity Conducte d	Hour s allott ed	Whe ther cond ucte d	If not, altern atc date		
9		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	yıs	-	Postlans on Frad 2.	D)	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 + Processed	4+2	Yes	-	Porfeco	01	Yes			
11	June 2021	3rd week	4+2	Ocean Energy: Introduction, Principle of ocean thermal energy conversion, Tidal power generation, Tidal energy technologies Practical 6		Teado+	4+2	Yes	-	Quiz	01	40	2		
12	12	4 th week	4+2	Energy from waves, Wave energy conversion, Wave energy technologies advantages and disadvantages Practical 6		Teoch f Prach	4+2	Yes		Shout	101	4	e3		

Signature of the Lecturer

ne of the College: S.V.L.N.S.GOVERNMENT DEGREE COLLEGE, EEMUNIPATNAM					Name of the Department: Physics										
of the Lect	urer: M. F	Rojeswara I		U. B. U. S. S. S. S. S.	Year: III Y	ear, 6th	SEMES	TER	R Paper: Renewable Energy						
Month	Week	Hours availabl	Syllabus Topic	Input/					Со-си	r	Remar ks				
		c		Addition Provided /taught	Activity Conduct ed	Hour s allott ed	Whet her cond ucted	If not, altern ate date	Activity Conducte d	Hour s allott ed	Whe ther con duct ed	If not, altern ate date			
July 2021	1 ST week	3+2	Hydrogen Energy:History of hydrogen energy - Hydrogen production methods - Electrolysis of water, Hydrogen storage options -		Teads+ Pravil	4+2	Yes	-	Ason	01	403				
	2 ND week	4+2	hydrogen transport and distribution - Uses of hydrogen as fuel. Bio-Energy Energy from biomass - Sources of biomass -		reads+	4+2	445	-	Test	01	Yes				
	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		Texus+		Yes	-	Pages	q	يعه	3			
	4 TH Week	4+2	Semester End Examinations		Invi)	8/Peran	4								
1	MUNIPAT of the Lect Month	MUNIPATNAM of the Lecturer: M. I Month Week 187 week 2ND week July 2021 3RD week	MUNIPATNAM of the Lecturer: M. Rajeswara I Month Week Hours available c 1SY week 2NB week 4+2 week July 2021	MUNIPATNAM of the Lecturer: M. Rajeswara Rao Month Week Hours available c 157 3+2 Hydrogen Energy: History of hydrogen energy - Hydrogen production methods - Electrolysis of water, Hydrogen storage options - 2ND 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 3RD 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 4TH 4+2 Semester End Examinations	MUNIPATNAM of the Lecturer: M. Rujeswara Rao Month Week Hours availabl c Ist Week Hours availabl c Illydrogen Energy: History of hydrogen energy - Hydrogen production methods - Electrolysis of water, Hydrogen storage options - 2ND Week Week Loompressed 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 3RD Week 4+2 Week - Energy through fermentation - Pyrulysis, gasification and combustion - Aerobic and anaerobic bio-conversion - Properties of biomass - Doesign and operation - Properties and characteristics of biogas 4 TH 4+2 Semester End Examinations	MUNIPATNAM of the Lecturer: M. Rajeswara Rao Month Week Activity Value Addition Provided Activity Conduct ed If y 3+2 week Itydrogen Energy: History of hydrogen energy - Hydrogen production methods - Electrolysis of water, Hydrogen storage options - 2ND week Activity Conduct ed Teach + Prouds July July July July July 2021 Japa 3RD 4+2 week Activity Conduct ed Teach + Prouds Feach Hydrogen storage options - Different species - Conversion of biomass - Different species - Conversion of biomass into faels 3RD 4+2 week Activity Conduct ed Feach Prouds Feach F	MUNIPATNAM of the Lecturer: M. Rajeswara Rao Month Week Hours available c Isy available c Iso available c	MUNIPATNAM of the Lecturer: M. Rajeswara Rao Month Week	MUNIPATNAM of the Lecturer: M. Rujeswara Rao Class: B.Sc. Year: III Year, 6th SEMESTER	MUNIPATNAM of the Lecturer: M. Rujeswara Rao Month Week Hours availabl c Syllabus Topic Additional Input/ Value Additional Provided // Activity Activity Activity Activity Activity Activity Conduct allot ed If not, her altern cond ate date Curricular Activity Activity Conduct s allot ed Activity Conduct ate date Conduct s allot ed Activity Conduct s altern cond ate date Activity Conduct s altern cond ate date Curricular Activity Conduct s altern cond ate date Curricular Activity Activity Conduct s altern cond ate date Curricular Activity Senduct her altern ate date Curricular Activity Act	MUNIPATNAM of the Lecturer: M. Rajeswara Rao Month Week Hours available c Ist week Week Week Week Week Week Week Week	MUNIPATNAM of the Lecturer: M. Rajeswara Rao Class: B.Sc. Month Week Hours Additional Input/Value Additional Input	MUNIPATNAM of the Lecturer: M. Rajeswara Rao Class: B.Sc. Month Week Hours available c Isr week Hours week Hydrogen Energy: History of hydrogen energy - Hydrogen production methods - Electrolysis of water, Hydrogen storage options - 2ND week Hours energy - Hydrogen safety - Problems of hydrogen transport and distribution - Uses of hydrogen safety - Problems of hydrogen transport and distribution - Uses of hydrogen safety - Problems of hydrogen transport and distribution - Uses of hydrogen safety - Problems of hydrogen transport and distribution - Uses of hydrogen safety - Problems of hydrog		

Signature of the Leturer

Sixth Semester Curricular Plan (April 2021-August 2021) Name of the College: S.V.L.N.S.GOVERNMENT DEGREE COLLEGE, BREEMUNIPATNAM Name of the Department: Physics sme of the Lecturer: M. Rajeswara Rao Paper: Renewable Energy Class: B.Sc. Year: III Year, 6th SEMESTER Week Month Hours Co-curricular Activity Rema Syllabus Topic Additional Curricular Activity avallab rks No Input/ le If not, Whe Value Hour Activity Whet If not, Hour Activity ther altern Addition altern Conducte Conduct her ate allott con Provided allott cond ate ed duct date ed /taught date ucted ed ed 151 4+2 SEMESTER EXAMINATIONS 17 week 250 4+2 SEMESTER EXAMINATIONS week August 1800 4+2 2021 week 19 4TH 4+2 week

Signature of the Lecturer





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			SPILAB &MRR
TUE	PHYSICS P 5 BCN	PHYSICS P 2 BCN	PHYSICS P 1 MRR			S P 1 LAB &MRR
WED	PHYSICS P 2 BCN		PHYSICS P 1 MRR	SOLAR ENERGY MRR		CS P 2 LAB
THU	PHYSICS P 5 BCN		PHYSICS P 1 MRR			CS P 5 LAB
FRI	PHYSICS P 6 MRR	PHYSICS P 2 BCN	ELEC APPLIANCES BCN			CS P 6 LAB
SAT	ELEC APPLIANCES BCN	PHYSICS P 2 BCN	PHYSICS P 6 MRR	SOLAR ENERGY MRR		CS P 2 LAB

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

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

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

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

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)

SIGNATURE OF EECTURER IN CHARGE

SIGNATURE OF BRINGIPAL

Name (of the Co	flege: S.V.I	N.S. GOVI	ERNMENT DEGREE COLLEGE		Name of the	e Departn	ent: PH	YSICS					
Name o	of the Lee	The second	RAJESWAR	A RAO	Class: B.Sc.	Yea	r: 5 th SE	MESTER	li i	Paper		tricity, M	lagnetism	and
S. No	Mont	Week	Hours available	Syllabus Topic	Additional Input/	Cu	urricular	Activity		Co-		ar Activi		Rema
					Value Addition Provided /taught	Activity Conducte d	Hours allotte d	Whet her cond ucted	If not, altern ate date	Activity Conduct ed	Hour s allott ed	Whet her cond ucted	If not, altern ate date	
		3 rd and 4 th WEEK	3+2	INTRODUCTION TO SYLLABUS		Teaching +Practical	3+2	428		Assignm ent I	01	Yes		
1	£1			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										
	Sept 2021		3+2	Electrical potential – equipotential surfaces- potential due to i) a point charge, ii) charged spherical shell and uniformly charged sphere.		Teaching + Proubid	3+2	Yes		3+2		463		

Signature of the Locturer

Name	of the Coll	ege: S.V.L	.N.S GOVE	RNMENT DEGREE COLLEGE		Name of the I	epartm	ent: PH	SICS					
Name			RAJESWAR	A RAO	Class: B.Sc.		S SEM			Paper V:	Elec	tronics		and
S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/	Curt	icular A	ctivity		Co-cu	rricular	Activity		Rema
					Value Addition Provided /taught	Activity Conducte d	rs allot ted	Whet her cond ucted	If not, altern ate date	Activity Conducte d	Hour 5 allott ed	Whe ther con duct ed	If not, altern ate date	TKS
2		2 nd week	3+2	Dielectrics: Electric dispolement and molecular polarizability- Electric displacement D, electric polarization P		Teaching+ Practical	3+1	૧૯૪		Assignme nt 2	0)	Yes		
3	Oct 2021	3rd Week	3+2	Relation between D, E and P- Dielectric constant and susceptibility. Boundary conditions at the dielectric surface.		Teaching+ Practical	3+2	70		Student seminar	01	પ્	3	
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 ar applications.		Teaching Practical		- Yes		Mid 1 exam	0	1 46	3	

Signature of the Lecturer

				RNMENT DEGREE COLLEGE		Name of the D	epartme	nt: PH\	SICS					
			RAJESWAR	A RAO	Class: B.Sc.	Year:	5th SEM	ESTER	3	Paper V:		city, Ma		and
S. No	Month	Week	Hours available	Syllabus Topic	Addition al Input/	Cur	ricular A	ctivity		Co-cu	rricular			Rema
					Value Addition Provided Ataught	Activity Conducted	Hour s allott ed	Whet her cond ucted	If not, altern ate date	Activity Conducte d	Hour s allott ed	Whe ther con duct ed	If not, altern ate date	
5		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		Assignme t 3	01	ne	\$	
6	Nov 2021	2 nd week	3+2	Energy stored in magnetic field Transformer - energy losses efficiency. Alternating currents and electromagnetic waves Alternating current - Relation betwee current and voltage in LR and C circuits, vector diagrams,	d n	Teaching+ Practical		Yes		Student Seminar		Ye	3	
7		3rd week	3+2	LCR series and parallel resonant circuit, Q -factor, power in ac circuit Maxwell's equations Idea of displacement current -	s.	Teaching Practica		2 40	3	Assign at 3		1 1	lus	
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 wav (Hertz experiment).	es	Teachin Practica		2 4	es	Mid exam		0)	7e3	

Signature of the tecturer

Fifth Semester Curricular Plan 2021-2022

				NMENT DEGREE COLLEGE		Name of the l	Departme	nt: PHY	SICS					
		urer: M. R Week	AJESWARA		Class: B.Sc.	Year:	5th SEM	ESTER		Paper V:	Electric	ity, Ma	gnetism	and
S. No	Month	Week	Hours available	Syllabus Topic	Additional Input Value	Cur	ricular A	etivity		Co-cu	rricular .			Remar ks
					Addition Provided /taught	Activity Conducte d	Hour 5 allott ed	her cond ucted	lf not, altern ate date	Activity Conducte d	Hour s allott ed	Whe ther cond ucte d	If not, altern ate date	
9		1st week	3+2	Basic electronics: PN juction diode, Zener diode, Tunnel diode, I-V characteristics, PNP and NPN transistors, CB, CE and CC configurations		Teaching +Practical	3+2	yes		Assignme nt 4	91	Yes		
10	Dec	2 nd week	3+2	Relation betweenα, β and γ - transistor (CE) characteristics -Determination of hybrid parameters, Transistor as an amplifier		Teaching +Practical	3+2-	Yes		Student	01	40		
11	2021	3rd 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).	7	Teaching +Practical	2+2	163		Practical exams	03	70	8	
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 +Practice		Yes.						

Signature of the Lecturer

Fifth Semester Curricular Plan 2021-2022

i the Leet	urer; M. F	LAJUSWAR	RIMENT COLLEGE										
Month	Weck	Hours		W.Sc.	5280.0					E.	bectronic	N .	nd
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	neek Jul	3+2	Semester end examinations		invigilation					+	-		+
Jan 2022													
	Jos week												
	4st					-	-	-		-	1		
	Atomb	Month Week 1" neck 2nd week Jan 2022	Month Week Hours available 1" 3+2 week Jan 2022	Month Weck Hours available Syllabus Topic 1	Month Week Hours available Syllabus Topic Additiona 1 Imput/ Value Addition Provided /taught 1" 3+2 Semester end examinations 222 3+2 Semester end examinations Jan 2022 3+4 week	Moath Week Hours available Syllabus Topic Additiona Union Activity Addition Provided Itanght 1º 3+2 Semester end examinations invigitation 2-1 3+2 Semester end examinations invigitation 2-1 3+2 Semester end examinations invigitation 3-2 Semester end examinations invigitation 3-2 Semester end examinations	Month Week Hours available Syllabus Topic Additiona Unput Value Addition Provided Annihi Uncertainty allo tred week 3+2 Semester end examinations invigilation 2-2-2 week 3+2 Semester end examinations invigilation Jan 2022	Month Week Hours available Syllabus Topic Class: B.Sc. Month Week Hours available Syllabus Topic Additiona 1 Input Value Addition Provided faught Conducted urs allo conducted faught week 3+2 Semester end examinations invigilation 1 th week 3+2 Semester end examinations invigilation 2 th week 3+2 Semester end examinations invigilation 3 th week 3+2 Semester end examinations	Month Week Hours available Syllabus Topic Class: B.Sc. Additiona Limput Value Addition Provided from Provided from United allo activity allo activity week Semester end examinations invigilation 1	Month Week Hours available Syllabus Topic Hours Additiona Hours Available Syllabus Topic Addition Provided Haught Conducted allowed flamph Provided Haught Head week Addition Available Head week Haught Head week Addition Available Head week Haught Head week Addition Available Head week Haught Haugh	Month Week Hours available Syllabus Topic Hours Additions Curricular Activity Conducted Italy	Month Week Hours available Syllabus Topic Class: B.Sc. Month Week Hours available Syllabus Topic Additions I I I I I I I I I I I I I I I I I I I	Month Weck Hours available Syllabus Topic Class B.S. Additiona I Imput Value Additiona I Imput Value Additiona Provided Annual Telectronics Syllabus Topic Syllabus Topic Additiona I Imput Value Additiona Provided Annual Telectronics Syllabus Topic Syllabus Topic Syllabus Topic Additiona I Imput Value Additiona Provided Activity Unit of the allow conditions of the condition of t

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Nameo			AJESWAR		Class: B.Sc.	Year	:5ª SEN	MESTER		P:	aper VI:	Modern	Physics	
S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/	Cu	rricular	Activity		Co-c	curricul	arActivi	y	Remai
					Value Addition Provided /taught	Activity Conducte d	Hours allotte d	Whet her cond ucted	If not, altern ate date	Activity Conduct ed	Hour s allott ed	Whet her cond ucted	If not, altern ate date	
1	Sept 2021	and 4 th week	3+2	INTRODUCTIONTO SYLLABUS Atomic and molecular physics Introduction -Drawbacks of Bohr's atomic model-Sommerfeld's elliptical orbits-relativistic correction (no derivation). Vector atom model and Stem-Gerlach experiment - quantum numbers associated with it. L-S and j- j coupling schemes. Zeeman effect and its experimental arrangement.	azemic ozemic	Teaching +Practical	312	Чез	-	Assignm ent 1	01	463		

Signature of the Lecturer

100 E	H. C. David	wer M.	RAJESWAE	RNMENT DEGREE COLLEGE		Name of the l	Departs	erat: PH	YSICS			_	_	
		Week	Hours		Class: B.Sc.	Year::	5ª SEN	ESTER		Pap	er VI: N	lodern!	Physics	
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					Value Addition Provided /taught	Activity Conducte d	rs allot ted	her cond octed	H not, altern ate date	Activity Conducte d	Hour s allott ed	ther con duct	lf not, altern ate date	
		2 rd week	3-2	Raman effect, hypothesis, Stokes and Anti-Stokes lines. Quantum theory of Raman effect. Experimental attaingement – Applications of Raman effect.		Teaching +Practical	3+2	Yes		Assignme at 1	01	yes		
	et 921	week	3+2	Matter waves & Uncertainty Principle Matterwaves, de Broglie's hypothesis - wavelength of matter waves, Properties of matter waves - Davisson and Germer experiment - Phase and group velocities.	Poblemy	Teaching +Practical		403		Student		40	3	
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 was equations-derivations. Physical interpretation of wave function	Problem	- A Lacue		2 45	5	Midiexan	10		es Yes	

-	The Lect	urer: M.	RAJESWAI	RNMENT DEGREE COLLEGE RA RAO		Name of the D								
	Month	Week	Hours		Class: B.Sc.	Year: 5	SEM	ESTER	- 4	Pape	rVI: N	lodern	Physics	
١	Month		available	Syllabus Topic	Addition al Input/	Curr	icular A	ctivity		Co-cur	ricular	Activity		Rema
					Value Addition Provided /taught	Activity Conducted	Hour s allott ed	Whet her cond ucted	If not, altern ate date	Conducte	Hour s allott ed	ther con duct	lf not, altern ate date	
		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	10	ed Yes	-	
	Nov 2021	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	-					
		3rd week	3+2	Liquid drop model and Shell model (qualitative aspects only) - Magic numbers. Radioactivity decay: Alpha decay: basics of α-decay processes.		Teachimg+ Practical	3+2	ye		Assignme nt 3	01	40	3	
		4th week	3+2	Theory of α-decay, Gamow's theory Geiger Nuttal law.β-decay, Energy kinematics for β-decay, positror emission, electron capture, neutrino hypothesis.		Teaching+ Practical	3+2	Yes		Mid 2 exam	01	ye.	3	

Signature of the Lecturer

Semester Curricular Plan 2021-22

me	of the rece		TO LOS IT ALL	NMENT DEGREE COLLEGE VRAO	-	Name of the De	partmen	rt: PHYS	ICS					
1	Month	Week	Hours available	Syllabus Topic	Class: B.Sc.	Year:	5th SEMI	ESTER	1	Pape	r VI: M	lodern P	hysics	
io			availagge		Additional Input/ Value	Curr	icular A	ctivity				Activity		Remar ks
					Addition Provided /taught	Activity Conducted	Hour s allott ed	Whet her cond ucted	If not, altern ate date	Activity Conducte d	Hour s allott ed	Whe ther cond ucte	If not, altern ate date	
19		1" 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		Teachimg+ Practical	3+2	463		Assignme nt 4	01	ا م		+
10	Dec 2021	2 nd week	3+2	method and powder diffraction method Superconductivity: Introduction - experimental fact critical temperature - critical field		Teaching Practical	Grand Landson	يعها	,	Semeste end practice exam	al 03	Me	5	+
11	0 Dec 2021	3rd week	3+2	Meissner effect – Isotope effect - Type and type II superconductors - Bo theory (elementary ideas only) applications of superconductors.	20	Teachim; Practical		2 40	3	1	1.	\uparrow	+	1
12		week	2+2	Semester end examinations		Teachin Practica		+2	ies		1	1		

arer: M. F	RAJESWAF	RNMENT COLLEGE RARAO		Name of the L					177	Made	n Dhysies	
Week	Hours	0.0		Year:	5th SEN	IESTER		P	aper vi	; Mouer	n r nysics	
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			Value Addition Provide d /taught	Activity Conducted	Hour s allott ed	Whet her cond ucted	If not, altern ate date	Activity Conducted	Hou rs allot ted	Whet her cond ucted	If not, alternate date	
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2 nd week	3+2	Semester end exam										
3/4	3+2	Semester end exam		AHe	eded	añ.	vi luhan	dut				
100000				A	kd	تف ا	כינון זיים	on derbs				
4 th week	3+2	Commencement of 3 rd semester										
	Veck 1st week 2st week 3st week	Week Hours available 1st 3+2 week 3+2 week 3+2 week 3+2	Week Hours available 1st 3+2 Semester end exam 2st week 3+2 Semester end exam week 3rd 3+2 Semester end exam 4st 3+2 Semester end exam	Week Hours available Syllabus Topic Addition al Input/ Value Addition Provide d /taught 1st week 3+2 Semester end exam 2st week 3+2 Semester end exam 3st 3+2 Semester end exam 4st 3+2 Semester end exam	Week Hours available Syllabus Topic Addition al Imput/Value Addition Provide d /taught 1st 3+2 Semester end exam 2st 3+2 Semester end exam 2st 3+2 Semester end exam 2st 3+2 Semester end exam A Hours Addition Provide d /taught 2st 3+2 Semester end exam A Hours Addition Provide d /taught Activity Conducted Provide d /taught A Hours Addition Provide d /taught A Hours A	Week Hours available Syllabus Topic Syllabus Topic Addition al Input/Value Addition Provide d /taught 12 3+2 Semester end exam 23d 3+2 Semester end exam A Head of Addition Provide allowers allowed a sulface and a sulface allowed a sulface a	Week Hours available Syllabus Topic Addition al Imput/Value Addition Provide d/taught 1st 3+2 Semester end exam 2st week 3+2 Semester end exam 2st week 3+2 Semester end exam A Headed 2st week 3+2 Semester end exam A Headed 2st week 4st 3+2 Semester end exam A Headed 2st week 3st 3+2 Semester end exam A Headed 2st week 4st 3+2 Semester end exam A Headed 2st week 4st 3+2 Semester end exam A Headed 2st week 4st 3+2 Semester end exam	Week Hours available Syllabus Topic Addition al Input Value Addition Provide d //taught Activity Hour s altern allott conducted d //taught Hour s her altern allott conducted d //taught Hour s her altern allott conducted date 1° 3+2 Semester end exam A Headed an visub 2° 3+2 Semester end exam A Headed an visub 2° 3+2 Semester end exam A Headed an visub 3° 3+2 Semester end exam A Headed an visub 3° 3+2 Semester end exam A Headed an visub 3° 3+2 Semester end exam A Headed an visub 4° 4° 4° 4° 4° 4° 4° 4° 4° 4° 4° 4° 4° 4	Class: B.Sc. Year: 5° SEMESTER Parity Co-c	Week Hours available Syllabus Topic Curricular Activity Co-curricular Activity Conducted Activity Con	Week Hours available Syllabus Topic Addition al Input Value Activity Hour whet altern ate date Hour cond ate date Conducted Hour whet altern ate date Hour whet altern ate date Hour cond ate date Conducted Hour whet altern ate date Hour whet altern ate date Hour cond ate date Conducted Hour whet altern ate date Hour whet altern at the date Hour	Week Hours available Syllabus Topic Addition all input Value Addition Provide d draught Hour Conducted of Itaught Hour State and Itaught Hour State allot attention and Itaught Hour State allot attention and Itaught Hour State allot attention attention and Itaught Hour State allot attention attention and Itaught Hour State allot attention atte

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correlated to students of III BSE I semelets on agreen 1001

- 9 J. Sandhya
- R) T. Anusha
- 3) V. Krishnoweni
- 4) B. Den
- 5) V. Uha
- 6, P. Suvarna Latha
- 7.) Y. Nishma Seavaathii
- 8. Y. Alekhya.
- 9.) Gr. Varalalytini
- b) T. Rafu Manikanda

11 A. Bhankar

- 12) A. Shiva
- 13) N. Appala Raju
- 14) k. Ibrardhan rav
- 15). U. Mahesh Balm

he Col	Hege: S.V.L.	A PECNIA P	A PAGE		Name of the								
he Lec	-	AJESWAR	RNMENT DEGREE COLLEGE A RAO	Class: B.Sc.	Year	2nd SEN	IESTER				VAVE OF		
Mont	Weck	Hours available	Syllabus Topic	Additional Input/	Cu	rricular A	ctivity		Co-c	urricula	r Activity	Y	Rem
b				Value Addition Provided /taught	Activity Conducte d	Hours allotte d	Whet her cond ucted	lf not, altern ate date	Activity Conduct ed	Hour s allott ed	Whet her cond ucted	If not, altern ate date	
	I" WEEK	4+2	Interference of light Introduction, Conditions for interference of light,	Yangis Danle Shterp	Teaching + Practical	4+2	4.48	_					
ept	2 ^{nt} Week	4+2	Interference of light by division of wave front and amplitude, Phase change on reflection, Stokes' treatment	Concept of phose diffrad Pobodist		4+2	443	_	Ason	01	4.8		
021	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	чр	s -					
- Lucasi	4 th week	4+2	Diffraction of light:: Introduction, Types of diffraction: Fresnel and Fraunhoffer diffractions, Distinction between Fresnel and Fraunhoffer diffraction	Actest- Problem	2	4.2	40	s -	Asing	n 01	Ye	3	

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nr (f the Colle	ge: S.V.L.	A DECEMBAR	NMENT DEGREE COLLEGE		Name of the	Departs	nent: PF	YSICS					
je i	d the Lect			A RAO	Class: B.Sc.	Year	:2*d SE	METER		P	aper: W	AVE O	PTICS	
1	Month	Week	Hours available	Syllabus Topic	Additional Input/	Cur	ricular .	Activity		Co-co	urricular	Activit	y	Rem
					Value	Activity Conducte d	Hour s allott ed	Whet her cond ucted	If not, altern ate date	Activity Conducte d	Hour s allott ed	Whe ther con duct ed	If not, altern ate date	
		i ^{el} week	4+2	Fraunhoffer 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,	Autot Quistons	Teaching + Practical	4+2	YUS		Assignme nt I	6 1	Yes		
6	Oct 2021	2 ^{ed} week	4+2	Explanation of rectilinear propagation of light, Zone plate, comparison of zone plate with convex lens,	Precidens	Teaching + Practical	4+2	405		Student veminar	ol	403		
7		3rd week	4+2	Polarisation of light Polarized light: Methods of production of plane polarized light, Double refraction,	Autob			40		Quiz	o/	4.9		
B		4 th wee		Brewster's law, Malus law, Nicol prism, Nicol prism as polarizer and analyzer, Quarter wave plate		Teaching + Practical	4+2	443						

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Vame	of the Col	lege: S.V.	L.N.S GOVE	RNMENT DEGREE COLLEGE		Name of th	ie Depar	tment: P	HYSICS					
			RAJESWAI		Class: B.Sc.	Yes	ır: 2 nd S	EMSTE	2		Paper: \	WAVE (OPICS	
S. No	Month	Week	Hours available	Syllabus Topic	Additional Input/	Ci	arricular	Activity		Co-c	urricula	r Activi	у	Rema
					Vulue Addition Provided /taught	Activity Conducte d	Hour 5 allott ed	Whet her cond ucted	If not, altern ate date	Activity Conducte d	Hour s allott ed	Whe ther con duct ed	lf not, altern atc date	
5		week	4+2	Half wave plate, Plane, Circularly and Elliptically polarized light-Production and detection, Optical activity	Parldons	Teaching + Practical	442	425		Mid Examinat ions	0 1	443		
6	Nov	2 ^{ed} week	4+2	Laurent's half shade polarimeter: determination of specific rotation, Basic principle of LCDs		Teaching + Practical	4+2_	Yes		Denim Stocked Ne Spent	e1	463		
7	2021	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	Devides Digrism of Light Lanneter	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		Assignme nt 2	이	403		

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Second Semester Curricular Plan 2021-22

II.	Col	llege: S.V.1	NS GOVE	RNMENT COLLEGE		Name of the I)eparte	ient- Ptr	VETER					
1	ant of the Lee	turer; M.		RNMENT COLLEGE A RAO	Class; B.Sc.	Year:2	at SE	MESTER	13003		Pater I	N - North		
k	Month	Week	Hours available	Syllabus Topic	Additiona Input/	Curr	icular	Activity		C	Paper:			Seco
					Value Addition Provided /taught	Activity Conducted	Ho urs allo tted	Whet her cond ucted	If not, altern ate date	Activity Conduc ted	Hours allotted	When her cond ucted	M not. alternate date	AL.
13		1 st week		Semester end examinations	4	Herdet	ėr	العا أماد	m dely			11114		
4	Jan 2922	2 nd week		Semester end examinations		Atkidid	nía	n'luha	des					
5		3 rd week												
6		4 th week					-					-		+



First Semester (Curricular Plan (Oct-Feb 2022)
	- Great Plan (Oct-Feb 2022)

BHI	EMUNIPA te of the Lea	turer: M.	Rajeswarai	ERNMENT DE GREE COLLEGE,	100	Name of the I	epartm	ent: Phy	sics		_	_		
8	Month	Week	Hours availabl	Syllabus Topic	Class; B.Sc.	Year: I Ye				1	aper; S	olar En	ergy	
No		ļi.	e		Additio nal Input/	Curi	icular A	ctivity			rricular		_8,	Remar
					Value Additio n Provide d /taught	Activity Conducte d	Hour s allott ed	Whet her condu cted	lf not, ultern ate date	Activity Conducte d	Hour s allott ed	Whe ther con duct ed	If not, altern ate date	ks
T		1ª week	2	Solar Radiation: Introduction to syllabus, question paper model, credits allocated, Sun as a source of	rangut	Teaching	02	Yes			-	-	-	+
1	Sent	2 rd week	2	Sun as a source of energy Solar radiation, Solar radiation at the Earth's surface, Measurement of Solar radiation	-			-	-	•	+	+	+	+
_	Sept 2021	3rd	2			Teaching	02	425	-	moul.		1	40	3
3		week		Pyrheliometer, Pyranometer, Sunshine recorder		Teachi	7 02	ye.	5				1	1
4		4 th week	2	Prediction of available sol radiation,	ar	Teadi	7 0.	٢ / ٧٠	3	+	+	+	1	-
			Signature	of the Lecturer					+		Signati	ure of t	he Princi	pal

ADIC	MUNIPA of the Lec	INAM Inter: M. I	tajeswara i	Run	Class: B.Sc.	Year: I Yea	r, 2**	SEMES	TER	P	aper: S	olar F.n	ergy	-
5.	Month	Week	Hours availab	Syllabus Topic	Additional Input/	Curr	cular/	Activity		Cn-cu	rricular	Activity	1	Rema
No		(le		Value Addition Provided /taught	Activity Conducte d	rs allo tted	Whet her cond ucted	If not, altern atc date	Activity Conducte d	Hour s allott ed	Whe ther con duct ed	If not, altern ate date	rks
5		1 st week	1	Solar energy-Importance, Storage of solar energy		Teadry	02	400				1		
6		2 rd week	2	Solar pond, Solar Thermal Systems: Principle of conversion of sola radiation into heat,	r	Teachy	62	- Ye	8	through google	4	4.	ey.	1
7	Oct 2021	week	2	Collectors used for solar thermal conversion: Flat plate collectors		Touch	4 0	- 4	4	Micexan				
8		4th week	k 2	Concentrating collectors, Solar Thermal Power Plant,		Tead	ن و	2 4	es.		1		1	

Floor Exercises Constanting Plan (find \$ 4474622)

- C - C - C - C - C - C	A CONTRACT OF THE PARTY OF THE	45.0.00		DESMANDED DECEMBER CONTENSE.	F2 DF 3	Vane 5 V					Estim	Sime		
appe of	donth	Week	ujernarub Houre	Syllabole Tople	MADELLER !			Callinty.	1	840	نستان کار د			Zenner
No.			availaid K		Special Victoria Addition Victorial Victorial	Autority Executed	Mos state	What keer sould poled	Alfanial polices as polic signial	Endigley Constitution	Money articles and	SVIII * SVIII * SVIII * SVIII *	Maria printera pola Conta	Ž4
9		1º week	2	Salar saukers, Salar hat mater systems,		3 carbing	07:	tes		homer,	0	140		
	9 Nov 2921	2 st week	2	Solar dryers, Solar Distillation, Solar greenhouses.		Joseph	67_	445						
11	l'	3.4 week	2	Solar Photovoltaic Systems: Conversion of Solar energy into Electricity - Photovoltaic Effect		Testing	02	Yal						
12		4th week	2	Solar photovoltaic cell and its working principle, Different type of Solar cells,	s	Tendy	d)	40	5	5636 2 ************************************		1 4.	4	

HER	MUNIPA	INAM		ERNMENT DEGREE COLLEGE,		Name of the De	partme	it: Physi	C				-	-
vame	of the Lec		tajeswara i	Rao	Class: B.Sc.	Year: I Yes	ar,2 nd Si	MEST	ER	P	aper: Se	olar Enc	rey	-
S. No	Month	Week	Hours available c	Syllabus Topic	Addition at Input/	Curr	lcular A	ctivity		Co-cu	rricular	Activity	1	Remar
					Value Addition Provided /taught	Activity Conducted	Hour s ullott ed	Whet her cond ucted	If not, altern ate date	Activity Conducte d	Hour s allott ed	Whe ther con duct	If not, where ate date	
13		I ^{RI} week	2	Series and parallel connections of solar cells		Teaching	102_	403		Assignat	10	ed Ye	1	\uparrow
14		2 ^{Nil} Week	2	Photovoltaic applications: Battery chargers, domestic lighting,		Pearley	லு	re	1		+	\dagger	+	\uparrow
15	Dec 2021	3 ⁸⁰ week	2	street lighting and water pumpin	g	Teally	02	41	4		+	+	+	+
16		4 TH week	2	Semester end examinations										
		Cianaba	re of the L	and							ln	-000	Principal	2

HE	MUNIPA	TNAM	Rajeswara	ERNMENT DEGREE COLLEGE,		Name of the	Depai	rtment:	Physics					
	of the Le	Week	Hours	nau e e e e e e e e e e e e e e e e e e e	Class: B.Sc.	Year: I Yea	ar, 2m	dSEME	STER		Paper: 5	Solar E	nergy	
0	Month	HEEK	availab le	Syllabus Topic	Additional Input/	Curr	icular	Activity	,	Co-c	urricula	rActivi	ty	Rema rks
					Value Addition Provided /taught	Activity Conducted	Ho ur s all ott	Whet her cond ucted	If not, altern ate date	Activity Conducte d	Hour s allott ed	Whe ther con duct ed	If not, altern ate date	
		week	2	SEMESTEREXAMINATIONS		Invigitation								
8		2 ND week	2	SEMESTEREXAMINATIONS		Invigitation								
	Jan 2022	3 RD week	2	Commencement of 3 rd semester										
,		4m week	2											
			may											

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

nent: English

Class: BSC &BA

Year: Sept-21 to Dec-21. Paper: 1

f the Lecturer: Smt. D. Madhuri

10	Month & Week	Hours Available	SYLLABUS TOPIC	Additional input/ Value additional		CURRIC	ULAR ACTIVITY			CO-Curri	cular Activity	1	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	HARMAN	The dolls	Slideshere	Instructi	in 1	Yes		Project	1	No	By NOV 18th week.	
			one word substitutes	Slideshere PPT	Chitalatio	0 1	708	_	releted to House-				
	2WEEK	4	Ode to the west wind	PPT.	Instauelio	0 2	Yes	-					
			Skimming Scarring	Handout	Astructi	00]	Yes	_	TPS	1	yes.	_	
	3WEEK	2	Horence Nightingal	PPT ' Handout	Instantio	0 2	yes.		Project on Women Achiene	,			
	4WEEK	4	The night train at Deoli	Shale Shere.	Explanation	2				Polo Play			
			Upagupta	Youtube Video.	Eglenetur	2							

lon elli Signature of the Department in-charge

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

nent: English

EMBER.

Class: BSC & BA

Year: Sept - Dec 21

Paper:

f the Lecturer: Smt. D. Madhuri

11 SEM

0	Month & Week	Hours Available	SYLLABUS	Additional input/ Value additional		CURRIC	ULAR ACTIVITY			CO-Curr	icular Activity	/	REMARK
	2				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 Comprehens	Handout wn Handout	Inst'n	3	Conducted		TPS.	1	Conduct		14
-	214/554						Conducted		Pairwork				
	2WEEK			Youtule Video.		2.	Conducted						
			Expansions San idea	Handout	Troth	2.	Conductes		Paiawerk	.,			
	3WEEK	4	Notes and	Handout	hear ?	1	Conducted		Pairwek				
Same and the same of			relatits.			1	Conducte		Pair WKK Roleplay		bonduc	led -	
	4WEEK	4	Astrotoge.	you tube video.	Insti	2	Conducte	d	Role Ptay	1	Condu	cled	
	1		CV & Resume	Hondonts	Enstri	01	Conducte	el	Georp				

Signature of Lecturer

Signature of the Department in-charge

EMBER.

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

nent: English

f the Lecturer: Smt. D. Madhuri

11 Sem.

Class: BSC & BA Year: Scot -21 To 11 Sem. Dee -21

Paper:

0	Month & Week	Hours Available	SYLLABUS TOPIC	Additional input/ Value additional		CURRIC	ULAR ACTIVITY			CO-Curri	cular Activity		REMARK
	2				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	Letters E converpond	Handouts	Explanation	3	Conducted		Assignm	ı I	Conduc		
	2WEEK												
	24,524	4	Revision	Model Papers worksheets	Revisión Teste	3	Conducted		Test-	1	Conduc	led .	
												1	
	3WEEK	2	Revisión	Model Papers. W&k&heet	Revisióno Teste	2	Conducté	4	Test.		70310		
	AVAILERIA										18/1/10	12. Km	
	4WEEK										100	West, K.	

Signature of Lecturer

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Annual revericulum plan for Semester II for the academic year 2020-2021 is eviculated on 6-10-2026 guidelines for Lecture plan for this Semester

Knollmin Englist

Signatures of Students!-.

S. Sai

V. Salina

S. Raty

K Ramu

intame , x

A. Naveen

D. Dauye

Wiraballo

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

October-2021

epartment: English

Class: II Sem BZC, B.com Year: Sep 2021 to Dec 2021 Paper: I

10	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	date	
			4	5	6	7	8	9	10	11	12	13	14
	1WEEK	3	How To Avoid Foolish Opinions	PPT	Demo	2	Yes		preject work	1	Yes		
	2WEEK	4	One Word Substitutes Conversion	Handouts	instruction	2	Yes Yes	l I	aut2	1	Yes		
	3WEEK		words Collocation				Yes	_	Quiz	1	Yes		
	4WEEK	24	The Doll's	slides	Demono	1	Yes Yes	_	project	1	No	By NOV ISENCEK	
			The Doll's House ode to the Westwind	PPT	elucida	2	Yes				Imax	6)	

Newkot Signature of Lecturer

Signature of the Department in-charge

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

November

epartment: English

ame of the Lecturer: Sri. Y. Venkata Rao

Class: II Sem B2C, B:com Year: Sep 2021 - Dec 2021

Paper:

.NO	Month & Week	Hours Available	SYLLABUS TOPIC	Additional input/ Value additional	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	Explanati	n 2	Tes	_				10	14
			skimming Scanning	Handouts	Elicitation		Yes	_	Newspaper reading	1	Yes		
	2WEEK	04	The Night Train at Deoli	Slides	Deminst Yation	2,	Yes	_					
			upagupta	Youtube	Elucida	1	Yes	_	Role	1	Yes		
	3WEEK	04	Deading	A STATE OF THE PARTY OF THE PAR	the same of the sa		Yes		Newspape		Yes		
			MOTELLIN				Yes	-	Newspaper Reading	1	Yes		
	4WEEK	04	Coromande Fishers	PPT	InSpuce	2	Yes	-					
		07	Expansion of ideas	Handouts	Inductiv	41	Yes	-	Writing				
			Coromande FisherB Expansion & ideas Notices, Agen and Minutes	- Handouts	Rending	1	Yes	-	,				

Signature of Lecturer

Signature of the Department in-charge

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

December, 2021

Department: English

Name of the Lecturer: Sri. Y. Venkata Rao

Class: TI Sem B2C, Bcom Year: Sep2021-Dec2021

aper:

il.NO	Month & Week	Hours Available	SYLLABUS TOPIC	Additional input/ Value additional	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		As trologersdo	1 1	Explanation	1	Yes						
		4	CV	1	Handouts	1	Yes						
			Letters	1	Handouts	1	Yes Yes						
			CV LetterS E- Correspondances	1	PPT	1	Yes						
	2WEEK												
		4	Revision	Model	Revision	3			Test				
				rapeis	1654						Firm	201 3	
	3WEEK											34 /	
		2	Revision	Work	Revision To CES	2			Test	700			
				Sheeps	,								
	4WEEK												
100													

Signature of Lecturer

Signature of the Department in-charge

Annal Currienlum plan fr Semester II fl the alademic year 2020 - 2021 is Creinleted on 6-10-2021 as guidelines fr Loeture plan fre this Semester.

Signatures of Students:

C. Rovi

K. Rage

K Kumar

G. pondo

B. Sai Kumor

S. Radhika Devi

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