

ANNUAL CURRICULAR					PLAN (Year)											
NAMR OF THE LECTURER					CLASS : <u>Impc2</u>				Semester : <u>I sem</u>				Paper : <u>Mechanics of particle</u>			
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				
June	3 rd	5 hrs	Introduction to mechanics, laws of motion, motion of variable mass system.	Laws of Energy.	will be shown PPT's & Explan	1	Yes	-	-	Seminar	1	Yes	-			
			equation of motion of rocket, conservation of E & P	-	-	-	-	-	-	-	-	-	-			
	4 th	5 hrs	collision in 2 & 3 D concept of p & σ	work energy theorem.	-	-	-	-	-	-	-	-	-			
			Rutherford scattering cross-section derivation	-	will be shown you tube videos & explained	-	-	-	-	-	-	-	-			
			Definition of rigid body, Rotational kinematic relations.	-	-	-	-	-	-	-	-	-	-			
July	1 st week	Sunday	-	-	-	-	-	-	-	-	-	-	-			
	2 nd week	6 hrs	Equation of motion for rotating body	moment of inertia of a circular disc	-	-	-	-	-	Group discussion	1	Yes	-			

Signature of the Lecturer

Ch. Anitha

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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER <i>Ch. Anitha.</i>					CLASS : <i>Impcr</i>			Semester : <i>I sem</i>			Paper : <i>I</i>		
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	
			Angular momentum Euler Equations & applications, precession of top.	Freely rotating symmetric top	will be shown you tube videos	1	Yes	-	-	-	-	-	-
			Gyroscope.	-	-	-	-	-	-	-	-	-	-
July	3 rd week	5 hours	precession of Equinoxes, Def of elastic constants and their relations Types of beams	Hook's law behaviour of load	-	-	-	-	Quiz	1	Yes	-	-
			Loads, bending moment, significance	-	-	-	-	-	-	-	-	-	-
	3 rd week	6 hours	central forces definition, characteristics & conservation of central force. S.T $F = -\nabla U$, equation of motion of central force Kepler's Law.	-	will be shown PPT's & Explained	1	Yes	-	-	-	-	-	-

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mechanics of
 I particle

ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER Ch. Anitha					CLASS : <u>Temp</u>			Semester : <u>I Sem</u>		Paper : <u>I particle</u>			
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	
July	4th	6 hours	Introduction to vectors scalars & vector fields.	Different types of vector fields	will be shown ppt's and Explained	1	Yes	-	-	-	-	-	-
			gradient of a scalar field & physical significance	-	-	-	-	-	-	-	-	-	-
			Divergence of a vector field.	-	-	-	-	-	-	-	-	-	-
July	5th	2 hours	Curl of a vector field physical significance of divergence	-	-	-	-	-	-	-	-	-	-
Aug	1st week	4 hours	physical significance of curl, vector integration, Gauss law, Stokes theorem.	-	-	-	-	-	Debate	1	Yes	-	-
Aug	2nd week	5 hours	problems, Introduction to S.T.R, Galilean relativity absolute frames,	effect of coriolis force due to earth rotation	will be shown youtube videos and Explained	1	Yes	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN (Year)				mechanics of particles				
NAME OF THE LECTURER <i>Ch. Anitta</i>					CLASS : <i>Impc2</i> Semester : <i>I sem</i>				Paper : <i>I</i>				
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	
<i>Aug</i>	<i>3rd week</i>	<i>5 hours</i>	<i>I - mid Exam</i>	-	-	-	-	-	-	-	-	-	-
	<i>4th week</i>	<i>5 hours</i>	<i>Michelson morely Experiment, -ve result, postulate of special theory of relativity</i>	-	<i>will be shown youtube videos and explained</i>	<i>1</i>	<i>Yes</i>	-	-	-	-	-	-
			<i>Special theory of relativity</i>	<i>four vectors and their transformations</i>	-	-	-	-	-	-	-	-	-
<i>Aug</i>	<i>5th week</i>	<i>4 hours</i>	<i>Lorentz transformations of space and time, time dilation</i>	<i>twin paradox Experiment</i>	-	-	-	-	-	-	-	-	-
<i>sep</i>	<i>1st week</i>	<i>4 hours</i>	<i>Length contraction addition of velocities</i>	-	<i>will be shown ppt's and explain</i>	<i>1</i>	<i>Yes</i>	-	-	-	-	-	-
<i>Sep</i>	<i>2nd week</i>		<i>II mid Exam</i>	-	-	-	-	-	-	-	-	-	-
	<i>3rd week</i>			-	-	-	-	-	-	-	-	-	-
	<i>4th week</i>	<i>4 hours</i>	<i>mass - energy relation, problems -</i>	-	-	-	-	-	-	-	-	-	-

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Ch. Anitta

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ANNUAL CURRICULAR					PLAN (Year)							
NAMR OF THE LECTURER KAMMILI SIRISHA					CLASS : II B.Sc			Semester : III		Paper : III PHYSICS		
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
June	1 st	01	Aberrations - Introduction	-	-	-	-	-	-	-	-	-
	2 nd	05	monochromatic aberration, spherical aberration, methods of minimizing spherical aberration, coma	Geometrical optics, Physical optics	will be shown in PPT'S	1	Yes	-	-	-	-	-
	3 rd	04	Astigmatism, curvature of field, distortion, chromatic aberration	-	-	-	-	-	-	-	-	-
	04	05	Types of chromatic aberration, Achromatic doublet, Achromatism for two lenses in contact @ for two lenses separated by a distance	Deviation Produced by a thin lens	-	-	-	-	-	-	-	-
	05		Problems, Introduction, interference Principle of superposition	Principle of Young's experiment	will be shown in YouTube videos	1	Yes	-	-	-	-	-
July	1 st	05	coherence types, conditions for interference of light	-	-	-	-	-	-	-	-	-

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K. S. Sirisha

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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER <u>K. SIRISHA</u>					CLASS : <u>II B.Sc</u>			Semester : <u>III</u>		Paper : <u>III</u>			
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	
			Fresnel's biprism determination of wave length, change of phase on reflection	Energy distribution	-	-	-	-	-	-	-	-	-
			oblique incidence of a plane wave on a thin film due to reflected light,	-	-	-	-	-	-	-	-	-	-
July	2 nd	03	oblique incidence of a plane wave on a thin film due to reflected light,	-	will be shown in Postery	1	yes	-	-	-	-	-	-
			transmitted light colours of thin films,	spatial coherence and Temporal coherence	-	-	-	-	Seminar	1	yes	-	-
	4 th	07	Determination of diameter of wire, Newton's rings in reflected light, michel son interferometer	-	Demonstrak in Lab	1	yes	-	-	-	-	-	-
			Determination of wave length of monochromatic light, using Newton's rings, Determination of wavelength of monochromatic light	-	-	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN (Year)							
NAMR OF THE LECTURER: K. SIRISHA					CLASS: <u>II B.Sc</u>			Semester: <u>III</u>		Paper: <u>III</u>		
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
Aug	1 st	03	Distinction b/w Fresnel and Fraunhofer diffraction due to single slit, Double slit.	Resultant of n simple Harmonic motions	-	-	-	-	Seminar	1	Yes	-
			N slits, Resolving Power of grating	-	-	-	-	-	-	-	-	-
	2 nd	05	Determination of wavelength of light normal incidence & minimum deviation methods using grating	single slit diffraction by fourier transform	will be shown in PPT's	1	Yes	-	-	-	-	-
			zones, zone plate, comparison of zone plate with convex lens, diff b/w int interference & diff	Farm method	-	-	-	-	-	-	-	-
	3 rd	05	Mid-I exam	-	-	-	-	-	-	-	-	-
	4 th	04	Polarisation introduction methods of Polarisation, reflection, refraction, double refraction, scattering of light	Longitudinal waves transverse waves	-	-	-	-	Debate	1	Yes	-
					-	-	-	-	-	-	-	-

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SIR C.R.REDDY COLLEGE FOR WOMEN, ELURU
CURRICULUM LECTURER WISE 2018-19

ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER <u>K.SIRISHA</u>					CLASS : <u>II B.Sc</u>			Semester : <u>III</u>		Paper : <u>III</u>			
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	
			Brewster's law, Malus law, Nicol prism polariser & analyser, quarter wave plate & Half wave Plate	Representation of various types of light	will be showing you tube videos	1	yes	-	-	-	-	-	-
			optical activity, determination of specific rotation by Laurent's	Biot's Polar scope	-	-	-	-	Debate	1	yes	-	-
			half shade Polarimeter, Babinet's compensator, idea of elliptical and circular	-	-	-	-	-	-	-	-	-	-
			Polarisation, Laser introduction, spontaneous emission,	Geometry of calcite crystal	-	-	-	-	-	-	-	-	-
			Population inversion, laser principle, Einstein coefficients	Absorption & radiation	will be shown in poster	1	yes	-	-	-	-	-	-
			He-Ne laser, Ruby laser, Applications of lasers, Holography, Basic principle of holography,	-	-	-	-	-	-	-	-	-	-

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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER K.SIRISHA					CLASS : DBSC			Semester : III		Paper : III			
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	
			Gabor hologram and its limitation, Applications of holography.	-	-	-	-	-	-	-	-	-	-
			mid - II examy	-	-	-	-	-	-	-	-	-	-
sep	02 nd												
sep	03 rd	05	fiberoptics intro duction, types of fibers, rays and modes in an optical fiber, fiber material, principle of fibre communi cation advantages of fibre optic communication.	Acceptance angle and numerical aperature	will be sho wn in you tube video	1	yes						

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ANNUAL CURRICULAR					PLAN (Year) Electricity, Magnetism & Electronics.								
NAMR OF THE LECTURER M. JAYA LAKSHMI DEVI					CLASS : III B.Sc			Semester : V		Paper : VA			
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	
June	1 st	4hrs	1. Gauss's law statement & Proof - Electric field intensity	Introduction to Charge, field, Electric flux.	-	-	-	-	-	-	-	-	-
			1, uniformly charged sphere.	Electric shock prevention methods.	-	-	-	-	-	-	-	-	-
	2 nd	3hrs	2 an in finite conducting sheet of charge	-	-	-	-	-	-	-	-	-	-
			Electrical Potential surface potential due to a point charge.	Dielectric atomic view	PPT's will be shown	-	-	-	-	-	-	-	-
	3 rd	4	charged spherical shell. 2. Electric dipole moment	Non Polar dielectric in an electric field.	-	-	-	-	-	-	-	-	-
			3 molecular Polarizability Electric displacement & D.E.P. Relation b/w D, E, P.	-	-	-	-	-	-	-	-	-	-
	4 th	4	Dielectric Constant & χ .	-	-	-	-	-	-	-	-	-	-
			Boundary conditions at the dielectric C.	-	PPT's will be shown	-	-	-	-	-	-	-	-
			3 Biot-Savart's law explanation.	Introduction to Magnetic field & types of magnetic	-	-	-	-	-	-	-	-	-

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M. Jaya

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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER <u>M. Jaya Lakshmi Devi</u>					CLASS : <u>III B.Sc</u>			Semester : <u>V</u>		Paper : <u>PHYSICS IA.</u>			
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	
July	1 st	4	B - due to long straight wire, circular current loop & Solenoid.	materials.	-	-	-	-	-	-	-	-	-
			Hall effect & Applications		YouTube videos will be shown	1	Yes	-	-	-	✓	-	-
	2 nd	4	Faraday's laws, Lenz's law	Lorentz Force	-	-	-	-	Seminar	1	Yes	-	-
			Self & Mutual inductance, Coefficient of Coupling & of long solenoid.	-	-	✓	-	-	-	-	-	-	-
	3 rd	4	Transformer, energy stored in mag. field	Magnetic field, flux, induced emf	YouTube videos will be shown	1	Yes	-	-	-	-	-	-
			AC: Relation b/w LR, CR vector diagrams	Kirchoff's laws, Ampere's law.	-	-	-	-	-	-	-	-	-
	4 th	4	L-C-R series & Parallel Resonant ckt.	-	will be demonstrated at lab	1	Yes	-	-	-	-	-	-
			Q factor, Power in ac ckt.	-	-	-	-	-	-	-	-	-	-
Aug	1 st	4	6. Idea of displacement current - Maxwell's equations	Conduction Current	-	-	-	-	-	-	-	-	-

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M. Jaya

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K. S. Reddy

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ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER: M. JAYA LAKSHMI DEVI					CLASS: III BSC			Semester: V		Paper: IA PHYSICS			
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	
Aug	1 st	4	Maxwell wave eqn. Pointry Theorem production of EM waves	velocity of E.M. waves	-	1	-	-	-	-	-	-	-
	2 nd	2	I Mid Exam.	-	-	1	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-	-	-
	3 rd	4	P-N Junction diode Zener diode	Semiconductors and doping.	Youtube videos will be shown	-	-	-	-	-	-	-	-
			I-V characteristics PNPN transistors.	-	will be demonstrated in Lab.	1	Yes	-	-	-	-	-	-
	4 th	4	CB, CE, CC Configuration Relation btw β & γ	-	-	-	-	-	-	Debate on transistor configuration	1	Yes.	-
			Transistor characteristics Transistor as an amplifier.	-	will be demonstrated in Lab	1	Yes	-	-	-	-	-	-
SEP	1 st	4	g. Number System - conversion of binary to decimal and vice versa.	Hexa & Oct. number System.	-	-	-	-	-	-	-	-	-
			Binary Subtraction & Boolean Algebra	-	-	-	-	-	-	-	-	-	-

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M. Jaya

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M. Jaya

ANNUAL CURRICULAR					PLAN (Year)								
NAMR OF THE LECTURER <i>M. Jaya Lakshmi Devi</i>					CLASS : <i>B.B.Sc</i>			Semester : <i>V</i>		Paper : <i>PHYSICS I A.</i>			
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	
SEP	2 nd	3	II Mid Exams	-	-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-	-	-
	3 rd	3	Demorgan's laws Basic logic gates, NAND & NOR, XOR	-	<i>will be Demonstrated in Lab</i>	1	Yes	-	-	-	-	-	-
			Adder's.	-	-	-	-	-	<i>GROUP DISCUSSION on Logic gates</i>	1	Yes	-	-
	4 th		-	-	-	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-	-	-
OCT	1 st		Theory & Practical Exams	-	-	-	-	-	-	-	-	-	-

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M. Jaya

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K. S. S. S. S.

ANNUAL CURRICULAR					PLAN III (Year)								
NAMR OF THE LECTURER B. Durga Pragasanna					CLASS : III MPC-I III MPC-II			Semester : V		Paper : VB			
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	
Sep	1st	3	Diffraction of X-rays by crystals,	Bragg's law	-	-	-	-	-	-	-	-	-
			problems, Laue's method.	-	-	-	-	-	-	-	-	-	-
	2nd	3	II mid Exam	-	-	-	-	-	-	-	-	-	-
	3rd	4	Super conductivity Experiment facts,	-	-	-	-	Student Seminars	1	yes	-	-	-
			T _c , T _g , Meissner effect, Type I & II	-	-	-	-	Quiz	1	yes	-	-	-
			Super conductivity applications	-	-	will be shown youtube video	1	yes	-	-	-	-	-
	4th	4+1	practical exams	-	-	-	-	-	-	-	-	-	-

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B. Durga Pragasanna

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ANNUAL CURRICULAR					PLAN III (Year)									
NAMR OF THE LECTURER <i>B. Durga Prasanna</i>					CLASS : <i>III MPC-I</i> <i>III MPC-II</i>				Semester : <i>V</i>		Paper : <i>VB</i>			
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		
	<i>7th</i>	<i>4+2</i>		-	-	-	-	-	-	-	-	-	-	
			<i>Introduction of Basic ideas of</i>	-	-	-	-	-	-	-	-	-	-	
			<i>nucleus, Liquid drop model, problems.</i>	-	-	-	-	-	-	-	-	-	-	
<i>Aug</i>	<i>1st</i>	<i>4</i>	<i>Shell model & magic numbers</i>	-	<i>will be shown youtube video</i>	<i>1</i>	<i>Yes</i>	-	-	<i>1</i>	-	-	-	
	<i>2nd</i>	<i>3</i>	<i>Basics of α-decay Gamow's theory</i>	-	-	-	-	-	-	-	-	-	-	
	<i>3rd</i>	<i>4</i>	<i>β-decay concept. I-MID EXAMS</i>	-	-	-	-	-	-	-	-	-	-	
	<i>4th</i>	<i>4+2</i>	<i>β-decay Entertaim, Introduction to</i>	-	-	-	-	-	-	-	-	-	-	
			<i>Crystal structure, unit cell, miller</i>	-	<i>will be shown youtube video</i>	<i>1</i>	<i>Yes</i>	-	-	-	-	-	-	
			<i>indices, types of lattices.</i>	-	-	-	-	-	-	-	-	-	-	

Signature of the Lecturer

B. Durga Prasanna

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ANNUAL CURRICULAR					PLAN <u>IV</u> (Year)									
NAMR OF THE LECTURER <u>B. Durga prasanna</u>					CLASS : <u>III MPC-I</u> <u>III MPCs-II</u>				Semester : <u>V</u>		Paper : <u>VB</u>			
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		
July	1st	4	wavelength & properties of matter waves	-	-	-	-	-	-	-	-	-	-	
			Davisson & Germer Experiment, Heisenberg's uncertainty principle	-	1	yes	-	-	-	-	-	-	-	
			Basic postulates of Q.M. Schrodinger's wave Equations	-	-	-	-	-	-	-	-	-	-	
	2nd	3	Time independent & Time dependent wave Equations	-	-	-	-	-	-	-	-	-	-	
			Significance of ψ , Eigen functions & values	-	-	-	-	-	-	-	-	-	-	
			Schrodinger wave eqn for particle in one dimensional infinite height box.	-	1	yes	-	-	-	-	-	-	-	
				-	-	-	-	-	-	-	-	-	-	

Signature of the Lecturer

B. Durga prasa

Signature of the HOD

K. S. S. S.

Signature of the Principal

[Signature]

ANNUAL CURRICULAR					PLAN (Year) II B.Sc								
NAMR OF THE LECTURER B. DURGA PRASANNA					CLASS : II MPC-I II MPC-II Semester: II				Paper : PHYSICS -VB				
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	
June	1st	4	Introduction to A.M.P, Drawbacks of Bohr's model	Bohr's atom model	-	-	-	-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-
	2nd	4	vector atom model Stern & Gerlach Experiment, quantum numbers.		-	-	-	-	-	-	-	-	-
	3rd	3	Coupling schemes Zeeman & Raman	Zeeman effect Experimental verification	-	-	-	-	-	-	-	-	-
			effects, quantum theory of Raman effect		-	1	yes	-	-	-	-	-	-
	4th	4+2	Applications & experimental arrangements of Raman effect. Matter waves,		-	-	-	-	-	-	-	-	-
			De Broglie's Hypothesis.		-	-	-	-	-	-	-	-	-

Signature of the Lecturer

B. Durga Prasa

Signature of the HOD

K. S. Singh

Signature of the Principal

(Handwritten signature in green ink)