TEACHING PLAN

Teaching Plan of Semester I (2021-22)					
Discipline Specific Course (DSC-1A)					
Syll	labus DSC1AT: Mechanics	TEACHER	Allotted Time	Class per week	
Unit-I	Vectors Ordinary Differential Equations	Pabitra Adhikary	October To March	3	
Unit-II	Laws of Motion Momentum and Energy Rotational Motion			4	
Unit-III	Gravitation			2	
Unit-IV	Oscillations			2	
Unit-V	Elasticity			3	
Unit-VI	Special Theory of Relativity			2	
Syllabus DSC1AP: Mechanics (Lab)					
Unit-I	Measurement of Length (or Diameter) Using Vernier Caliper, Screw Gauge and Travelling Microscope	Pabitra Adhikary	October To March	2	

TEACHING PLAN

Teaching Plan of Semester II (2021-22)					
Discipline Specific Course (DSC-1B)					
Sylla	bus DSC1BT: Electricity and Magnetism	TEACHER	Allotted Time	Class per week	
Unit-I	Vector Analysis	Pabitra Adhikary	April To August	2	
Unit-II	Electrostatics			3	
Unit-III	Magnetism			3	
Unit-IV	Electromagnetic Induction			2	
Unit-V	Maxwell's Equation and Electromagnetic Wav Propagation			3	
Syllabus DSC1BP: Electricity and Magnetism (Lab)					
Unit-I	To Study a Parallel LCR Circuit and Determine Its (a) Anti- Resonant Frequency and (b) Quality Factor Q	Pabitra Adhikary	April To August	2	

TEACHING PLAN

Teaching Plan of Semester III (2021-22)					
Discipline Specific Course (DSC-1C)					
Syllabus	S DSC1CT: Thermal Physics and Statistical Mechanics	TEACHER	Allotted Time	Class per week	
Unit-I	Laws of Thermodynamics	Pabitra Adhikary	October To March	4	
Unit-II	Thermodynamic Potentials			3	
Unit-III	Kinetic Theory of Gases			2	
Unit-IV	Theory of Radiation			2	
Unit-V	Statistical Mechanics			3	
Syllabus DSC1CP: Thermal Physics and Statistical Mechanics (Lab)					
Unit-I	Measurement of Planck's Constant using Black Body Radiation	Pabitra Adhikary	October To March	2	
Unit-II	To Determine the Coefficient of Thermal Conductivity of a Bad Conductor by Lee and Charlton's disc Method			2	

TEACHING PLAN

Teaching Plan of Semester IV (2021)					
Generic Elective (GE) [Interdisciplinary for Other Department]					
•	labus GE4T: Digital, Analog rcuits and Instrumentation	TEACHER	Allotted Time	Class per week	
Unit-l	Digital Circuits	Pabitra Adhikary	April To August	4	
Unit-I	Semiconductor Devices and Amplifiers			4	
Unit-II	Operational Amplifiers (Black Box approach)			3	
Unit-I	V Instrumentation			3	
Syllabus GE4P: Digital, Analog Circuits and Instrumentation (Lab)					
Unit-I	To Study IV characteristics of PN diode, Zener and Light Emitting Diode	Pabitra Adhikary	April To August	2	