Lesson Plan

Lesson Plan for the Odd semester 2024-25

SEM (H/G)	Paper	SC	DM	BS	SD
I(Major)	DSC 1	Review of Newton's Laws (6 LP), Work Kinetic Energy Theorem (4LP), Dynamics of a system of particles (4 LP), Central force (8 LP), Scattering (2 LP), Mechanics of Continuum (6 LP)	Mathematical Preliminaries(5LP),Ordinary Differential Equation (2 LP), Vectors (7 LP) and Curvilinear coordinates (6 LP)		
I(Minor & MDC)	Minor-1/MDC-1	Review of Newton's Laws (6 LP), Work Kinetic Energy Theorem (4LP), Dynamics of a system of particles (4 LP), Central force (8 LP), Scattering (2 LP), Mechanics of Continuum (6 LP)	Mathematical Preliminaries(5LP),Ordinary Differential Equation (2 LP), Vectors (7 LP) and Curvilinear coordinates (6 LP)		
III(Major)	DSE- 3	Fermat's Principle (2 LP), Interference (12 LP), Diffraction (10 LP), Polarization (10 LP)			Oscillations (4 LP), Superposition of Harmonic Oscillations (3 LP), Wave motion (2 LP), Superposition of harmonic Waves (7 LP)
	DSE- 4	Convergence of infinite series (4 LP), Fourier Series (6 LP), Fourier Transform(6 LP)	Numerical Analysis I (10 LP)	Partial Differential Equations (8 LP), Introduction to Probability (8 LP), Dirac δ-function (4 LP), Some special integrals (4 LP)	
	SEC- 3	Introduction to Data Analysis (5 LP), Operations and Statistical Methods (10 LP)	Introduction to Pandas (20 LP), Introduction to NumPy (8 LP), Matplotlib and Seaborn (7 LP)		
III(Minor & MDC)	GCC-3		Oscillations (6 LP), Superposition of harmonic oscillations (3 LP), Wave motion (8 LP)	Geometrical optics (5 LP), Interference (12 LP), Diffraction (8 LP), Polarization (8 LP)	
V(G)	DSE A1	Feedback Amplifiers (5 LP), Operational Amplifiers (15 LP)	Circuits and Network (6 LP)	Semiconductor Devices (20 LP), Regulated Power Supply (4 LP)	Field Effect Transistors (5 LP), Sinusoidal Oscillators (5 LP)

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Lesson Plan for the Even semester 2023-24

SEM (H/G)	Paper	SC	DM	TKD	BS	SD
II(Mejore)	DSC II	Kinetic theory (3 LP), Zeroth and First Law of Thermodynamics (9 LP), Second Law of Thermodynamics (10 LP), Entropy (6 LP)	Electrostatics (11 LP),		Lorentz force (3 LP), Magnetostatics (8 LP)	
II(Minor & MDC)	Minor-1I/MDC -1I	Kinetic theory (3 LP), Zeroth and First Law of Thermodynamics (9 LP), Second Law of Thermodynamics (10 LP), Entropy (6 LP)	Electrostatics (11 LP),		Lorentz force (3 LP), Magnetostatics (8 LP)	
IV(G)	CC III/ GE III	Laws of Thermodynamics (18 LP) & Thermodynamical Potentials (9 LP)	Theory of Radiation (10 LP),	Kinetic Theory of Gases (8 LP)		Statistical Mechanics (15 LP)
	SEC A2			Whole Syllabus (30 LP)		
VI(H)	CC-XI	Maxwell Equations (12 LP) & EM Wave Propagation in Unbounded Media (10 LP)	EM Wave in Bounded Media (10 LP) Polarization (7 LP), Polarization in uniaxial crystals (15 LP)			Rotatory polarization (6 LP)
	CC-XII	Systems of Identical particles (6 LP) Radiation: classical and quantum aspects (7 LP)	Classical Statistical Mechanics (25 LP)		Bose-Einstein Statistics (12 LP) & Fermi-Dirac Statistics (10 LP)	
	DSE-A1 (b)		Practical properties and uses of laser (5 LP)	Resonators (8 LP), Transient effect (5 LP), Basic Laser Systems (7 LP)	Fiber optics (12 LP), Holography (4 LP) & Introductory Nonlinear Optics (10 LP)	Einstein coefficients and Rate equations (20 LP), Basic properties of laser (4 LP)
	DSE-B1 (b)	Particle Accelerators (15 LP), Particle Physics (15 LP)	Introduction (5 LP), Nuclear Reactions (10 LP)	Nuclear Reactions (15 LP), Detector for Nuclear Radiations (15 LP),		
VI(G)	DSE A1		Semiconductor Devices (20 LP)	Circuits and Network (6 LP) Regulated Power Supply (4 LP)	Field Effect Transistors (5 LP), Feedback Amplifiers (5 Lp),	Operational Amplifiers (15 LP) Sinusoidal Oscillators (5 LP)

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Lesson Plan for the Odd semester 2023-24

SEM (H/G)	Paper	KKM	SC	TKD	BS	SD
I(Mejore)	DSC I		Mathematical Preliminaries(5LP), Review of Newton's Laws (6 LP), Work Kinetic Energy Theorem (4LP)	Dynamics of a system of particles (4 LP), Central force (8LP), Scattering (2LP), Mechanics of Continuum (6 LP)	Ordinary Differential Equation (2 LP), Vectors (7 LP) and Curvilinear coordinates (6 LP)	
I(Minor & MDC)	Minor-1/MDC-1		Mathematical Preliminaries(5LP), Review of Newton's Laws (6 LP), Work Kinetic Energy Theorem (4LP)	Dynamics of a system of particles (4 LP), Central force (8LP), Scattering (2LP), Mechanics of Continuum (6 LP)	Ordinary Differential Equation (2 LP), Vectors (7 LP) and Curvilinear coordinates (6 LP)	
III(G)	CC III/ GE III	Laws of Thermodynamics (18 LP) & Thermodynamical Potentials (9 LP)	Theory of Radiation (10 LP),	Kinetic Theory of Gases (8 LP)		Statistical Mechanics (15 LP)
	SEC A2			Whole Syllabus (30 LP)		
V(H)	CC-XI	Maxwell Equations (12 LP) & EM Wave Propagation in Unbounded Media (10 LP)	EM Wave in Bounded Media (10 LP) Polarization (7 LP), Polarization in uniaxial crystals (15 LP)			Rotatory polarization (6 LP)
	CC-XII	Systems of Identical particles (6 LP) Radiation: classical and quantum aspects (7 LP)	Classical Statistical Mechanics (25 LP)		Bose-Einstein Statistics (12 LP) & Fermi-Dirac Statistics (10 LP)	
	DSE-A1 (b)		Practical properties and uses of laser (5 LP)	Resonators (8 LP), Transient effect (5 LP), Basic Laser Systems (7 LP)	Fiber optics (12 LP), Holography (4 LP) & Introductory Nonlinear Optics (10 LP)	Einstein coefficients and Rate equations (20 LP), Basic properties of laser (4 LP)
	DSE-B1 (b)	Particle Accelerators (15 LP), Particle Physics (15 LP)	Introduction (5 LP), Nuclear Reactions (10 LP)	Nuclear Reactions (15 LP), Detector for Nuclear Radiations (15 LP),		
V(G)	DSE A1		Semiconductor Devices (20 LP)	Circuits and Network (6 LP) Regulated Power Supply (4 LP)	Field Effect Transistors (5 LP), Feedback Amplifiers (5 Lp),	Operational Amplifiers (15 LP) Sinusoidal Oscillators (5 LP)

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Lesson Plan for the Even semester 2022-2023

SEM (H/G)	Paper	KKM	GS	SC	TKD	BS	SD
II(H)	CC III			Dirac delta function (3 LP), Electrostatics (12 LP), Dielectric properties of matter (6 LP), Method of Images (4 Lp), Electrostatic Energy (3 LP)	Magnetostatic Field (10 LP), Magnetic properties of matter (7 LP), Electro-magnetic induction (7 LP), Electrical circuits (8 LP)		
	CC IV	Oscillations (8 LP), Superposition of Harmonic Oscillations (4LP), Wave motion (4 LP),				Wave optics (4 LP), Interference (10 Lp), Interferometers (5 Lp), Diffraction (16 LP)	Superposition of Harmonic Waves (9 LP)
II(G)	CC II/GE II			Electrostatics (25 LP), Electrodynamics (10 LP)	Magnetism (15 LP), Electromagnetic Induction (5 LP)	Essential Vector Analysis (5 LP)	
IV(H)	CC VIII			Special theory of Relativity (20 LP)	Variational calculus in Physics (20 LP), Complex Analysis (20 LP)		
	CC IX					Circuits and Network (4 LP), Semiconductor diodes and application (8 LP), Bipolar Junction transistors and biasing (10 LP), Field Effect transistors (5 LP), Regulated power supply (3 LP)	Amplifiers, Feedback amplifiers and OPAMP (15 LP), Multivibrator (5 LP), Oscillators (5 LP)
	CC X	Wave-packet description (5 LP), General discussion of bound states in an		Generalized Angular Momenta and Spin (10 LP), Spectra of Hydrogen atom and its fine			

		arbitrary potential (8 LP), Quantum mechanics of simple harmonic oscillator (6 LP), Quantum theory of hydrogen-like atoms (8 Lp)		structure (5 LP), Atoms in Electric & Magnetic Fields (8 LP), Many electron atoms (10 LP)			
	SEC B2				Whole Paper (30 LP)		
IV(G)	CC IV/ GE IV	Introduction to wave Optics (2 LP)		Interference (15 LP), Diffraction (10 LP), Polarization (10 LP)			Acoustics (10 Lp), Superposition of vibrations (5 LP), Vibrations in String (8 LP)
	SEC B2				Whole paper (30 LP)		
VI(H)	CC-13					Whole paper (54 LP)	
	CC-14	Dielectric properties of materials (8LP), Drude's theory (4 LP) Elementary band theory (12 LP), Superconductivity (6 LP)			Crystal structure (12 LP), Elementary lattice dynamics (10 LP), Magnetic properties of matter (8 LP)		
	DSE-A2(a)			Whole paper (75 LP)			
	DSE-B2(a)						Whole paper (75 LP)
VI(G)	DSE B1	Registers and Counters (12 LP)			Number System (7 LP)	Data processing circuits (5 LP), Sequential Circuits (15 LP),	Integrated Circuits (4 LP), Digital Circuits (20 LP)

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Lesson Plan for the Odd semester 2022-2023

SEM (H/G)	Paper	KKM	GS	SC	TKD	BS	SD
I(H)	CC I	Vector Calculus & Orthogonal Curvilinear Coordinates		Vector Algebra		Matrices & Calculus	
	CC II		Rotational Dynamics & Fluid Motion		Fundamentals of Dynamics & Work and Energy		Gravitation and Central Force Motion & Non-Inertial Systems
I(G)	CC I/GE I		Surface Tension	Mathematical Methods	Introduction to Newtonian Mechanics & Rotational Motion	Oscillations & Elasticity	Central force and Gravitation
III(H)	CC V	Partial Differential Equations	Frobenius Method and Special Functions	Introduction to Probability & Some Special Integrals		Fourier Series & Integrals Transforms	
	CC VI	Introduction to Thermodynamics	Thermodynamic Potentials		Kinetic Theory of Gases		Conduction of Heat
	CC VII		Nuclear Structure & Interaction with and within nucleus	Radiation and its nature & Basics of Quantum Mechanics			Lasers
	SEC A2			Electromagneti c Energy Harvesting & Fuel cell	Wind Energy harvesting & Ocean Energy	Fossil fuels and Alternate Sources of energy & Solar energy	Geothermal Energy, Hydro Energy & Piezoelectric Energy harvesting
III(G)	CC III/ GE III	Statistical Mechanics	Laws of Thermodynamics & Thermodynamical Potentials	Theory of Radiation	Kinetic Theory of Gases		
	SEC A2			Electromagneti c Energy	Wind Energy harvesting & Ocean Energy	Fossil fuels and Alternate	Geothermal Energy, Hydro

				Harvesting & Fuel cell		Sources of energy & Solar energy	Energy & Piezoelectric Energy harvesting
V(H)	CC-XI	Maxwell Equations & EM Wave Propagation in Unbounded Media	Polarization, Polarization in uniaxial crystals	EM Wave in Bounded Media			Rotatory polarization
	CC-XII	Radiation: classical and quantum aspects	Systems of Identical particles	Classical Statistical Mechanics		Bose-Einstein Statistics & Fermi-Dirac Statistics	
	DSE-A1 (b)			Practical properties and uses of laser	Resonators, Transient effect, Basic Laser Systems	Fiber optics, Holography & Introductory Nonlinear Optics	Einstein coefficients and Rate equations, Basic properties of laser,
	DSE-B1 (b)		Nuclear and Particle Physics (Whole paper)				
V(G)	DSE A1	Operational Amplifiers	Circuits and Network	Regulated Power Supply	Semiconductor Devices	Field Effect transistors, Feedback Amplifiers, & Sinusoidal Oscillators	Application of diode and bipolar junction transistor

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Lesson Plan for the Even semester 2021-2022

SEM (H/G)	Paper	KKM	GS	SC	TKD	BS	SD
II(H)	CC III			Dirac delta function, Electrostatics, Dielectric properties of matter, Method of Images, Electrostatic Energy	Magnetostatic Field, Magnetic properties of matter, Electro-magnetic induction, Electrical circuits		
	CC IV	Oscillations, Superposition of Harmonic Oscillations, Wave motion, Superposition of Harmonic Waves	Wave optics, Interference, Interferometers, Diffraction				
II(G)	CC II/GE II	Electrodynamics		Electrostatics	Magnetism, Electromagnetic Induction	Essential Vector Analysis	
IV(H)	CC VIII		Variational calculus in Physics	Special theory of Relativity	Complex Analysis		
	CC IX					Circuits and Network, Semiconductor diodes and application, Bipolar Junction transistors and biasing, Field Effect transistors, Regulated power supply	Amplifiers, Feedback amplifiers and OPAMP, Multivibrator Oscillators
	CC X	Wave-packet description, General discussion of bound states in an arbitrary potential, Quantum mechanics of simple harmonic oscillator,	Generalized Angular Momenta and Spin, Spectra of Hydrogen atom and its fine structure, Atoms in Electric & Magnetic Fields, Many electron atoms				

		Quantum theory of hydrogen-like atoms					
	SEC B2				Whole Paper		
IV(G)	CC IV/ GE IV		Introduction to wave Optics, Interference, Diffraction, Polarization				Acoustics, Superposition of vibrations, Vibrations in String
	SEC B2				Whole paper		
VI(H)	CC-13					Data processing circuits, Sequential Circuits, Registers & counters, Computer organization and Data conversion	Integrated Circuit, Number system, Digital Circuits and Implementation of different circuits
	CC-14	Dielectric properties of materials and Drude's theory	Crystal structure, Elementary lattice dynamics and Magnetic properties of matter		Elementary band theory and Superconductivity		
	DSE-A2(a)			Whole paper			
	DSE-B2(a)					Digital pulse modulation and Introduction to communication & navigation systems	Electronic communication, Analog modulation and Analog pulse modulation
VI(G)	DSE B1				Number System	Data processing circuits, Sequential Circuits, Registers and Counters	Integrated Circuits and Digital Circuits
	SEC-B-2				Whole paper		

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Lesson Plan for the Odd semester 2021-2022

SEM (H/G)	Paper	KKM	GS	SC	TKD	BS	SD
I(H)	CC I	Vector Calculus & Orthogonal Curvilinear Coordinates		Vector Algebra		Matrices & Calculus	
	CC II		Rotational Dynamics & Fluid Motion		Fundamentals of Dynamics & Work and Energy		Gravitation and Central Force Motion & Non-Inertial Systems
I(G)	CC I/GE I		Surface Tension	Mathematical Methods	Introduction to Newtonian Mechanics & Rotational Motion	Oscillations & Elasticity	Central force and Gravitation
III(H)	CC V	Partial Differential Equations	Frobenius Method and Special Functions	Introduction to Probability & Some Special Integrals		Fourier Series & Integrals Transforms	
	CC VI	Introduction to Thermodynamics	Thermodynamic Potentials		Kinetic Theory of Gases		Conduction of Heat
	CC VII		Nuclear Structure & Interaction with and within nucleus	Radiation and its nature & Basics of Quantum Mechanics			Lasers
	SEC A2			Electromagneti c Energy Harvesting & Fuel cell	Wind Energy harvesting & Ocean Energy	Fossil fuels and Alternate Sources of energy & Solar energy	Geothermal Energy, Hydro Energy & Piezoelectric Energy harvesting
III(G)	CC III/ GE III	Statistical Mechanics	Laws of Thermodynamics & Thermodynamical Potentials	Theory of Radiation	Kinetic Theory of Gases		
	SEC A2			Electromagneti	Wind Energy harvesting &	Fossil fuels	Geothermal

				c Energy Harvesting & Fuel cell	Ocean Energy	and Alternate Sources of energy & Solar energy	Energy, Hydro Energy & Piezoelectric Energy harvesting
V(H)	CC-XI	Maxwell Equations & EM Wave Propagation in Unbounded Media	Polarization, Polarization in uniaxial crystals	EM Wave in Bounded Media			Rotatory polarization
	CC-XII	Radiation: classical and quantum aspects	Systems of Identical particles	Classical Statistical Mechanics		Bose-Einstein Statistics & Fermi-Dirac Statistics	
	DSE-A1 (b)			Practical properties and uses of laser	Resonators, Transient effect, Basic Laser Systems	Fiber optics, Holography & Introductory Nonlinear Optics	Einstein coefficients and Rate equations, Basic properties of laser,
	DSE-B1 (b)		Nuclear and Particle Physics (Whole paper)				
V(G)	DSE A1	Operational Amplifiers	Circuits and Network	Regulated Power Supply	Semiconductor Devices	Field Effect transistors, Feedback Amplifiers, & Sinusoidal Oscillators	Application of diode and bipolar junction transistor

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Lesson Plan for the Even semester 2020-2021

SEM (H/G)	Paper	KKM	GS	SC	TKD	BS	SD
II(H)	CC III			Dirac delta function, Electrostatics, Dielectric properties of matter, Method of Images, Electrostatic Energy	Magnetostatic Field, Magnetic properties of matter, Electro-magnetic induction, Electrical circuits		
	CC IV	Oscillations, Superposition of Harmonic Oscillations, Wave motion, Superposition of Harmonic Waves	Wave optics, Interference, Interferometers, Diffraction				
II(G)	CC II/GE II		Electrodynamics	Electrostatics,	Magnetism, Electromagnetic Induction	Essential Vector Analysis	
IV(H)	CC VIII		Variational calculus in Physics	Special theory of Relativity	Complex Analysis		
	CC IX					Circuits and Network, Circuits and Network, Bipolar Junction transistors and biasing, Field Effect transistors, Regulated power supply	Amplifiers, Feedback amplifiers and OPAMP, Multivibrator:, Oscillators
	CC X	Wave-packet description, General discussion of bound states in an arbitrary potential, Quantum mechanics of simple harmonic oscillator, Quantum theory of	Generalized Angular Momenta and Spin, Spectra of Hydrogen atom and its fine structure, Atoms in Electric & Magnetic Fields, Many electron atoms				

		hydrogen-like atoms					
	SEC B2		DC Generator	AC motor	Transformer		Measurement and faults
IV(G)	CC IV/ GE IV		Introduction to wave Optics, Interference, Diffraction, Polarization				Acoustics, Superposition of vibrations, Vibrations in String
	SEC B2		DC Generator	AC motor	Transformer		Measurement and faults
VI(G)	DSE B1			Number System, Digital Circuits		Integrated Circuits, Data processing circuits, Sequential Circuits, Registers and Counters	

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Lesson Plan for the Odd semester 2020-2021

SEM (H/G)	Paper	KKM	GS	SC	TKD	BS	SD	BG
I(H)	CC I			Vector Algebra and Vector Calculus				Calculus
	CC II		Rotational Dynamics & Fluid Motion		Fundamentals of Dynamics & Work and Energy		Gravitation and Central Force Motion & Non-Inertial Systems	
I(G)	CC I/GE I		Surface Tension	Mathematical Methods	Introduction to Newtonian Mechanics & Rotational Motion	Oscillations & Elasticity	Central force and Gravitation	
III(H)	CC V	Partial Differential Equations	Frobenius Method and Special Functions & Some Special Integrals	Introduction to probability		Fourier Series & Integrals Transforms		
	CC VI		Introduction to Thermodynamics & Thermodynamics Potentials		Kinetic Theory of Gases		Conduction of Heat	
	CC VII			Radiation and its nature & Basics of Quantum Mechanics			Lasers	Nuclear Structure & Interaction with and within nucleus
	SEC A2			Electromagnetic Energy Harvesting & Fuel cell	Wind Energy harvesting & Ocean Energy	Fossil fuels and Alternate Sources of energy & Solar energy	Geothermal Energy, Hydro Energy & Piezoelectric Energy harvesting	

III(G)	CC III/ GE III		Laws of Thermodynamics & Thermodynamics Potentials	Theory of radiation and Statistical Mechanics			Kinetic Theory of Gases	
	SEC A2			Electromagnetic Energy Harvesting & Fuel cell	Wind Energy harvesting & Ocean Energy	Fossil fuels and Alternate Sources of energy & Solar energy	Geothermal Energy, Hydro Energy & Piezoelectric Energy harvesting	
VI(G)	DSE A1			Feedback Amplifier and Operational Amplifier		Circuit Theory and Semiconductor Device	Regulated Power Supply and Field effect Transistors	

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Lesson Plan for the Even semester 2019-2020

SEM (H/G)	Paper	KKM	GS	SC	TKD	BS	SD	BG
I(H)S-2	CC III			Dirac delta function, Electrostatics, Dielectric properties of matter, Method of Images, Electrostatic Energy	Magnetostatic Field, Magnetic properties of matter, Electro-magnetic induction, Electrical circuits			
	CC IV	Oscillations, Superposition of Harmonic Oscillations, Wave motion, Superposition of Harmonic Waves	Wave optics, Interference, Interferometers, Diffraction					
I(G)S-2	CC II/GE II		Electrodynamics	Electrostatics,	Magnetism, Electromagnetic Induction	Essential Vector Analysis		
II(H)S-4	CC VIII		Variational calculus in Physics	Special theory of Relativity	Complex Analysis			
	CC IX					Circuits and Network, Circuits and Network, Bipolar Junction transistors and biasing, Field Effect transistors, Regulated power supply	Amplifiers, Feedback amplifiers and OPAMP, Multivibrator:, Oscillators	
	CC X	Wave-packet description, General discussion of bound states in an	Generalized Angular Momenta and Spin, Spectra of Hydrogen atom and its fine					

		arbitrary potential, Quantum mechanics of simple harmonic oscillator, Quantum theory of hydrogen-like atoms	structure, Atoms in Electric & Magnetic Fields, Many electron atoms					
	SEC B2		DC Generator	AC motor	Transformer		Measurement and faults	
II(G)S-4	CC IV/ GE IV		Introduction to wave Optics, Interference, Diffraction, Polarization				Acoustics, Superposition of vibrations, Vibrations in String	
	SEC B2		DC Generator	AC motor	Transformer		Measurement and faults	
III(H)	V	Classical Mechanics		Quantum Mechanics		Special Theory of relativity		Atomic Physics
	VI		Nuclear and Particle Physics-I & II			Solid State Physics		
	VIIA			Statistical Physics	Electromagnetic Theory			
III(G)	IVA		Energy Sources		Pump & Guages	Electronics	Communications	

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Lesson Plan for the Odd semester 2019-2020

Year /Sem (H/G)	Paper	KKM	GS	SC	TKD	BS	SD	BG
I(H)-S-1	CC I			Vector Algebra and Vector Calculus				Calculus
	CC II		Rotational Dynamics & Fluid Motion		Fundamentals of Dynamics & Work and Energy		Gravitation and Central Force Motion & Non-Inertial Systems	
I(G)S-1	CC I/GE I		Surface Tension	Mathematical Methods	Introduction to Newtonian Mechanics & Rotational Motion	Oscillations & Elasticity	Central force and Gravitation	
II(H)S-3	CC V	Partial Differential Equations	Frobenius Method and Special Functions & Some Special Integrals	Introduction to probability		Fourier Series & Integrals Transforms		
	CC VI		Introduction to Thermodynamics & Thermodynamics Potentials		Kinetic Theory of Gases		Conduction of Heat	
	CC VII			Radiation and its nature & Basics of Quantum Mechanics			Lasers	Nuclear Structure & Interaction with and within nucleus
	SEC A2			Electromagnetic Energy Harvesting & Fuel cell	Wind Energy harvesting & Ocean Energy	Fossil fuels and Alternate Sources of energy & Solar energy	Geothermal Energy, Hydro Energy & Piezoelectric Energy harvesti	

							ng	
II(G)S-3	CC III/ GE III		Laws of Thermodynamics & Thermodynamics Potentials	Theory of radiation and Statistical Mechanics			Kinetic Theory of Gases	
	SEC A2			Electromagnetic Energy Harvesting & Fuel cell	Wind Energy harvesting & Ocean Energy	Fossil fuels and Alternate Sources of energy & Solar energy	Geothermal Energy, Hydro Energy & Piezoelectric Energy harvesting	
III(H)	V	Classical Mechanics		Quantum Mechanics		Special Theory of relativity		Atomic Physics
	VI		Nuclear and Particle Physics-I & II			Solid State Physics		
	VIIA			Statistical Physics	Electromagnetic Theory			
III(G)	IVA		Energy Sources		Pump & Guages	Electronics	Communications	

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Lesson Plan for the Even semester 2018-2019

SEM (H/G)	Paper	KKM	GS	SC	TKD	BS	SD	BG
I(H)S-2	CC III			Dirac delta function, Electrostatics, Dielectric properties of matter, Method of Images, Electrostatic Energy	Magnetostatic Field, Magnetic properties of matter, Electro-magnetic induction, Electrical circuits			
	CC IV	Oscillations, Superposition of Harmonic Oscillations, Wave motion, Superposition of Harmonic Waves	Wave optics, Interference, Interferometers, Diffraction					
I(G)S-2	CC II/GE II		Electrodynamics	Electrostatics,	Magnetism, Electromagnetic Induction	Essential Vector Analysis		
II(H)	III	Electrostatics	Wave and Optics-II			Electricity & Magnetism	Electronics-II	
	VIA			Quantum Mechanics-II				Thermal Physics-II
II(G)	IIB				Electricity and Magnetism			
	IIIA		Physical Optics			Electronics	Modern Physics	
III(H)	V	Classical Mechanics		Quantum Mechanics		Special Theory of relativity		Atomic Physics
	VI		Nuclear and Particle Physics-I & II			Solid State Physics		
	VIIA			Statistical Physics	Electromagnetic Theory			
III(G)	IVA		Energy Sources		Pump & Guages	Electronics	Communications	

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Lesson Plan for the Odd semester 2018-20190

Year /Sem (H/G)	Paper	KKM	GS	SC	TKD	BS	SD	BG
I(H)-S-1	CC I			Vector Algebra and Vector Calculus				Calculus
	CC II		Rotational Dynamics & Fluid Motion		Fundamentals of Dynamics & Work and Energy		Gravitation and Central Force Motion & Non-Inertial Systems	
I(G)S-1	CC I/GE I		Surface Tension	Mathematical Methods	Introduction to Newtonian Mechanics & Rotational Motion	Oscillations & Elasticity	Central force and Gravitation	
II(H)	III	Electrostatics	Wave and Optics-II			Electricity & Magnetism	Electronics-II	
	VIA			Quantum Mechanics-II				Thermal Physics-II
II(G)	IIB				Electricity and Magnetism			
	IIIA		Physical Optics			Electronics	Modern Physics	
III(H)	V	Classical Mechanics		Quantum Mechanics		Special Theory of relativity		Atomic Physics
	VI		Nuclear and Particle Physics-I & II			Solid State Physics		
	VIIA			Statistical Physics	Electromagnetic Theory			
III(G)	IVA		Energy Sources		Pump & Guages	Electronics	Communications	

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