

Annexure V

Scanned Copy of Lesson Plan

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: PHYSICS Name of the Teacher: A. Anubalam Year 2022- 2023

Title of the Paper: Electrostatics and Magnetism Subject Code: 21LPH404 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 2/1/2023 To : 7/3/2023	Unit 1 Electrostatics (fully)	9 hrs	As per Calendar and Timetable	Nil	<u>Am</u>	<u>Am</u>
II From : 8/3/2023 To : 29/4/2023	Unit II Magnetic properties of materials (fully).	10 hrs	As per Calendar and Time table	Nil	<u>Am</u>	<u>Am</u>

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics

Name of the Teacher: A. Anu Kaliani

Year 2022- 2023

Title of the Paper: Tria. Phys. Physics, Plasma Phys. and Crystal Growth

Subject Code: 21.P.P.H.A.N.2

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 2/1/2023 To : 7/3/23	Unit III Plasma state characterisation (fully)	15 hrs	As per Calendar and time table	NIL	<u>Anu</u>	
II From : 8/3/23 To : 29/4/23	Unit IV Fluid Theory and application of plasma	15 hrs	As per Calendar and time table	NIL	<u>Anu</u>	

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: K. Karpuduswamy

Year 202- 203

Title of the Paper: Introduction to Physics Subject Code: 22UPH653

Semester: ODD / EVEN 7

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 2/1/23 To: 7/3/23	UNIT 2 - origin and development Unit II - Architecture Unit III - Instruction set Instruction and data formats	15 hrs	As per calendar and time table	—	<u>J. K. K.</u>	<u>K.</u>
II From: 8/3/23 To: 29/4/23	Unit III - Instruction set Unit IV - Interfacing Unit V - Applications	15 hrs	As per calendar time table	—	<u>J. K. K.</u>	<u>K.</u>

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics

Name of the Teacher: H. K. N. P. V. S. R. M. J.

Year 20 2 20 3

Title of the Paper: Thermodynamics and Statistical Mechanics

Subject Code: 22.P.P.H.285

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 21/1/23 To: 17/3/23	Unit II Binomial law Unit III Characteristic distribution law	30 hrs	As per calendar and time table	—	H. K. N. P. V. S. R. M. J.	
II From: 8/3/23 To: 29/4/23	Unit IV Binomial Statistics Unit V Applications of Binomial Statistics	30	As per calendar and time table	—	H. K. N. P. V. S. R. M. J.	

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: P. Chandan Shekar Year 2022- 2023

Title of the Paper: Nuclear and particle physics Subject Code: 21.PPH412 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 02/01/2023 To : 07/03/2023	Unit -I : Radioactivity: Discovery of radioactivity Unit of radioactivity. Unit -III : Nuclear properties: Non-existence of electrons inside the nucleus electron scattering method. Unit -IV : Nuclear models: Constitution of nucleus- neutron proton hypothesis applications of semiempirical binding energy formula.	23 hrs	As per time table	-	M	Am
II From : 08/03/23 To : 29/04/23	Unit -I : Radioactivity: Radioactive dating- carbon dating range of, stopping for electrons. Unit -III : Nuclear properties: Nuclear methods- neutron scattering method semiempirical mass formula. Unit -IV Nuclear models: Fermi gas model of the nucleus collective model .	22 hrs	As per time table	-	M	Am

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: B. Chandan Shekar Year 2022-2023
 Title of the Paper: Problems in physics I Subject Code: - Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 02/01/2023 To : 07/03/2023	Unit - V : Nuclear and particle physics: Basic nuclear properties - Binding energy. Rotational spectra.	8 hrs	As per time table.	-	B2	-
II From : 08/03/23 To : 29/04/23	Unit - V : Nuclear and particle physics. Alpha, beta and gamma decay. direct reactions.	7 hrs	As per time table	-	B2	-

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics

Name of the Teacher: B. Chandan Shekar

Year 2022-2023

Title of the Paper: Nuclear Physics

Subject Code: 21UPH611

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 02/01/2023 To: 07/03/2023	Unit - II : Radioactivity: Determination of e/m of alpha particles... ... determination of e/m of beta particles. Unit - III: Artificial transmutation of elements: Discovery of artificial transmutation... ... energy balance in nuclear reaction and Q value.	8 hrs	As per time table	-	BCS	
II From: 08/03/23 To: 29/4/23	Unit - II: Radioactivity: origin of line and continuous spectrum ... radioactive equilibrium and radioactive dating. Unit - III: Nuclear transmutation: Transmutation by alpha particles... ... production of radioisotopes and their uses.	7 hrs	As per time table	-	BCS	

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: P. K. Saravanan

Year 2022- 20 23

Title of the Paper: Thin film Physics, Plasma Physics and Crystal Growth

Subject Code: 21PPH4N2

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 2.1.2023 To : 28.2.2023	<u>Unit-I</u> Methods of preparation of thin films up to DC/RF Sputtering & Electron beam evaporation process	7	As per the Calendar		<i>[Signature]</i>	
II From : 2.3.2023 To : 29.4.2023 29.4.2023	<u>Unit-II</u> Methods of preparation of thin films up to from electron beam evaporation ^{plasma laser deposition} to atomic layer deposition.	8	As per the Calendar		<i>[Signature]</i>	

ACADEMIC PLANNING

Department: Physics Name of the Teacher: K. Saravanan Kumar Year 2022 - 2023

Title of the Paper: Semiconductor Devices Subject Code: 22PH2E4 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 21.2.2023 To : 28.2.2023	<u>Unit I</u> Silicon oxidation <u>Unit II</u> Photolithography Up to Photoresist	21	As per the Calendar		<i>dr</i>	
II From : 01.3.2023 To : 29.4.2023	<u>Unit II</u> Photolithography from pattern transfer to completion of various lithographic techniques <u>Unit III</u> Etching.	24	As per the Calendar		<i>dr</i>	

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. Suresh Kumar
Atomic and Solid state
 Title of the Paper: Physics Subject Code: 20.U.P.H.B.O.9

Year 2022 - 2023

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 2.1.2023 To: 28.2.2023	Unit III Crystal structure Unit II Bonding in Solids up to Hydrogen bonds	14	As per the Calendar	-	<i>Dr</i>	
II From: 01.3.2023 To: 29.4.2023	Unit II Bonding in Solids from Binding energy of ionic crystals to Repulsive Interaction. Unit V part of Unit II	16	As per the Calendar	-	<i>Dr</i>	

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: PHYSICS

Name of the Teacher: Dr. M. SEETHA

Year 2022- 2023

Title of the Paper: HEAT AND THERMODYNAMICS Subject Code: 22UPH202

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 2.1.2023 To : 7.3.2023	UNIT - II : SECOND LAW OF THERMODYNAMICS	15	As per calendar and Time table	NIL		
II From : 2.3.2023 To : 29.4.2023	UNIT - IV - THERMAL RADIATION	15	As per calendar and Time table	NIL		

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics

Name of the Teacher: Dr. M. SEETHA

Year 2022-2023

Title of the Paper: Programs in Physics - I

Subject Code: 22PPH20E3

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : <u>02.01.2023</u> To : <u>07.03.2023</u>	UNIT - I : BASIC MATHEMATICAL METHODS	15	As per calendar and Time table	NIL	<u>R</u>	
II From : <u>08.03.23</u> To : <u>29.04.23</u>	UNIT - III : ATOMIC AND MOLECULAR PHYSICS	15	As per calendar and Time table	NIL	<u>R</u>	

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 4

ACADEMIC PLANNING

Department: PHYSICSName of the Teacher: Dr. M. SEETHAYear 2022-2023Title of the Paper: QUANTUM MECHANICS Subject Code: 22PPH204Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 02-01-2023 To : 07-03-2023	UNIT - I : GENERAL FORMASMS OF QUANTUM MECHANICS	15	As per calendar and Time table	NIL		
II From : 08-03-2023 To : 29-04-2023	UNIT : II : ONE AND THREE DIMENSIONAL ENERGY EIGENVALUE PROBLEMS	15	As per calendar and Time table	NIL		

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: PHYSICS Name of the Teacher: Dr. P. Matheswaran Year 2022-2023
 Title of the Paper: Principles of Communication Systems Subject Code: 20UPH6E2 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 02.01.23 To : 07.03.23	UNIT: 1 Modulation and Demodulation UNIT: 2 Transmission lines	30 Hrs.	As per time table	NIL	<i>Matheswaran</i>	
II From : 08.03.23 To : 29.04.23	UNIT: 2 Antennas. UNIT: 3 Part: I : Radio Communication.	30 Hrs.	As per time table	NIL	<i>Matheswaran</i>	

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COMPTON

ACADEMIC PLANNING

Department: PHYSICS Name of the Teacher: Dr. P. Matheswaran Year 2022-2023
 Title of the Paper: Electricity and Magnetism Subject Code: 2.UPH404 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 02.01.23 To : 07.03.23	UNIT: 4: Alternating Currents. UNIT: 5: Transient Currents. Introduction.	15 Hrs.	As per time table	— nil —	<i>Matheswaran</i>	
II From : 08.03.23 To : 29.04.23	UNIT: 5 Transient Currents. UNIT: 5.5 Thermoelectricity	15 Hrs.	As per time table	— nil —	<i>Matheswaran</i>	

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: PHYSICS

Name of the Teacher: Dr. P. Matheswaran

Year 2022- 2023

Title of the Paper: Communication Physics

Subject Code: 21PPH410

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 02.01.23 To : 07.03.23	UNIT: 1 Modulation and Detection. UNIT: 2 Antennas	30 hrs	As per time table	— nil —	<i>Matheswaran</i>	
II From : 08.03.23 To : 29.04.23	UNIT: 2 wave propagation UNIT: 3 : Part I: Television.	30 Hrs.	As per time table	— nil —	<i>Matheswaran</i>	

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics

Name of the Teacher: Dr. M. Mohamed Ibrahim

Year 2022 - 2023

Title of the Paper: Medical Instrumentation Subject Code: 214PH452

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : <u>2/1/23</u> To : <u>7/3/23</u>	Unit - I Unit - II Unit - III - First Half	15 hrs	As per my time table			
II From : <u>8/3/23</u> To : <u>24/4/23</u>	Unit - III - Second Half Unit - IV Unit - V	15 hrs	As per my time table			

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. M. Mohamed Ibrahim Year 2022-2023
 Title of the Paper: Thin Film Plasma & Gyrotron Subject Code: 22PH206 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 2/1/23 To: 7/3/23	Unit - I - First Half	8 hrs	As per the time table		<i>ju</i>	
II From: 8/3/23 To: 29/4/23	Unit - I - Second Half	7 hrs	As per the time table		<i>ju</i>	

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics

Name of the Teacher: Dr. M. Mohamed Ibrahim

Year 2022- 2023

Title of the Paper: Advanced physics - II

Subject Code: 21UPM4A21

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 2/1/23 To : 7/3/23	Unit - <u>IV</u> Laser physics	15 Hrs	As per hr time table			
II From : 8/3/23 To : 29/4/23	Unit - <u>V</u> - Electronics & Communication physics	15 Hrs.	As per hr time table			

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. M. Mohamed Ibrahim Year 2022-2023
 Title of the Paper: Problems in Physics-I Subject Code: 22PPH253 Semester: ODD + EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 2/1/23 To : 7/3/23	Unit - IV - First Half	8 hrs	As per the time table			
II From : 8/3/23 To : 29/4/23	Unit - IV - Second Half	7 hrs	As per the time table			

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics

Name of the Teacher: Dr. M. Mohamed Ibrahim

Year 2022- 2023

Title of the Paper: MIE - Women's Right

Subject Code: 2100242

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 2/1/23 To : 7/3/23	Unit - I Unit - II - First Half	2 hrs	As per time table			
II From : 8/3/23 To : 29/4/23	Unit - II - Second Half Unit - III - First Half	7 hrs	As per time table			

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. A. Ranjitha Year 2022- 20 23
 Title of the Paper: Fundamentals of Digital Electronics Subject Code: 20UPH610 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 02.01.23 To : 07.03.23	UNIT - I : Number system, Binary Arithmetic & Binary codes. UNIT - II : Logic gates, Boolean Algebra & Karnaugh map.	60 hrs	As per time table & calendar.	-	Par	
II From : 08.03.23 To : 29.04.23	UNIT - IV : Arithmetic, Data Processing circuits & Shift register UNIT - V : Semiconductor memories, D/A converters & A/D converters.	60 hrs.	As per time table & calendar	-	Par	

ACADEMIC PLANNING

Subject: Physics Name of the Teacher: Dr. A. Ranjitha Year 2022 - 2023
 of the Paper: Nuclear Physics Subject Code: 20UPH1611 Semester: ODD / EVEN

Sl. No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 02.01.23 To: 07.03.23	<u>UNIT - IV</u> Nuclear fission and fusion.	15 hrs	As per time table & calendar	-	Dr	
II From: 08.03.23 To: 29.04.23	<u>UNIT - IV</u> Detectors of nuclear low radiations.	15 hrs	As per time table & calendar	-	Dr	

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics
C.P. 6

Name of the Teacher: Dr. A. Ranjitha

Year 2022- 2023

Title of the Paper: Thin Film Physics, Plasma Physics & Crystal Growth

Subject Code: 22.P.P.H.306

Semester: ODD + EVEN ✓

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 02.01.23 To : 07.03.23	UNIT - I : Nucleation growth & thickness measurements.	30 hrs	As per time table & calendar	—	<u>Ran</u>	
II From : 08.03.23 To : 29.04.23	UNIT - V Crystal Growth.	30 hrs.	As per time table & calendar.	—	<u>Ran</u>	

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: D.S. SELVI Year 2022-2023
 Title of the Paper: Thermodynamics and Statistical Mechanics Subject Code: 22.PP.IT.205 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 2.1.2023 To : 7.3.2023	Unit - I Thermodynamics and Radiation Second law of thermodynamics - entropy disorder - thermodynamic potential and reciprocity relation -	7hrs	As per time table	-		
II From : 8.3.2023 To : 29.04.2023	Unit - I Thermodynamic equilibrium - chemical potential - blackbody radiation - Planck's radiation law	8hrs	As per time table	-		

ACADEMIC PLANNING

Department: Physics

Name of the Teacher: Dr. S. S. ELVI

Year 2022 - 2023

Title of the Paper: Allied physics-II

Subject Code: 21UPH4A2

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 02.01.23 To : 07.03.23	Unit -2 Atomic Physics and Elements of Relativity Atom model - Sommerfeld - vector atom model - Pauli's exclusion principle - excitation and Ionization potentials - phase space and Hertz method	Thrs	As per time table	-		
II From : 08.03.23 To : 29.04.23	Unit -I postulates of theory of Relativity - Lorentz Transformation equations - Length contraction - Time dilation - Mass - energy equivalence. Unit -II De Morgan's theorem - Modulation - AM - FM	Shrs	As per timetable	-		

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics

Name of the Teacher: Dr. S. S. E. W. I.

Year 2022- 2023

Title of the Paper: Problems in Physics

Subject Code: 21.P.P.H.2.E.3

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 2.1.2023 To : 7.3.2023	Unit - II Experimental techniques and data analysis Error analysis - curve fitting - Graphical method of least squares Objective type Questions (1-50) Descriptive type Questions (7)	Thrs	As per timetable	-		
II From : 8.3.2023 To : 29.4.2023	Unit - II Transducers (Temperature, pressure, Vacuum magnetic field, vibration, optical and particle detectors) - measurement and Control - Fourier Transform - Modulation techniques Objective type questions (51-100) Descriptive type (8)	8hrs	As per timetable	-		

ACADEMIC PLANNING

Department: Physics

Name of the Teacher: Dr. S. SELVI

Year 2022- 2023

Title of the Paper: Nuclear and Particle physics

Subject Code: 21.PPH412

Semester: ODD / EVEN ☒

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 2.1.2023 To : 7.3.2023	<u>Unit -II Alpha particles</u> Properties - velocity - Energy - alpha decay - Gamow's theory of alpha decay <u>Beta particles</u> Pauli - Fermi's theory - beta decay - forms of interaction - selection rules <u>Gamma rays</u> Photoelectric absorption - Compton scattering - electron positron pair production and annihilation	16 hrs	As per time table	-		
II From : 8.3.2023 To : 29.4.2023	<u>Unit -V Particle physics</u> Classifications - Gravitational - electromagnetic - Strong and weak - Properties - Gellmann Okubo mass formula for Baryons - CP violation in K decay - Quark model - Higgs boson.	14 hrs	As per time table	-		

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics

Name of the Teacher: D.J.S. SELVI

Year 2022 - 2023

Title of the Paper: Heat and thermodynamics

Subject Code: 22UP11202

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 2.1.2023 To : 07.03.2023	Unit - II Gas equations Vander waals equation of a state - Critical constants - Carnot engine - Critical coefficient - Limitations of Vanderwaals equation QM of specific heat Dulong and petit's law : failure - Einstein's theory - Debye's theory - specific heat of diatomic gases	21 hrs	As per time table	—		
II From : 8.03.2023 To : 29.04.2023	Unit - II Thermodynamics Statistical equilibrium - probability theorem Maxwell - Boltzmann - phase space - Fermi - Dirac distribution - Bose - Einstein distribution - Comparison of three statistics	21 hrs	As per timetable	—		

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: PHYSICS Name of the Teacher: Dr. N. SENTHIL

Year 20 - 20 23

Title of the Paper: PHYSICS Subject Code: 21.PH.BE.2

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 2/1/23 To: 7/3/23	Unit - IV Fiber optic Communications (first half)	7 hrs	As per calendar and time Table	-	<u>Seni</u>	
II From: 8/2/23 To: 29/4/23	Unit - IV Fiber optic Communications (Second half)	8 hrs	As per calendar and time Table	-	<u>Seni</u>	

ACADEMIC PLANNING

Department:PHYSICS..... Name of the Teacher:Dr. N. SENTHIL..... Number: Year 20 - 2023
 Title of the Paper: ~~Comp. Phys. I~~ Nuclear Physics Subject Code: ...21UPH1611... Semester: ~~ODD~~ / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 21/1/23 To : 7/3/23	Unit - I General Properties of atomic nuclei	15 hrs	As per calendar and time Table	-	Gemma	
II From : 8/3/23 To : 29/4/23	Unit - II Elementary particles	15 hrs	As per calendar and time Table	-	Gemma	

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department:PHYSICS.....

Name of the Teacher:Dr. M. SEMMAL.....

Year 20 - 2023

Title of the Paper:Core paper - II: Quantum mechanics.....

Subject Code:22.P.P.H.2.04.....

Semester: - ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 2/1/23 To: 7/3/23	Unit - III Angular momentum and their properties	15 hrs	As per calendar and time table	-	Semmal	
II From: 8/3/23 To: 29/4/23	Unit - IV Time independent quantum approximation methods	15 hrs	As per calendar and time table	-	Semmal	

ACADEMIC PLANNING

Department: PHYSICS Name of the Teacher: DR. N. SENTHIL Year 20 - 2023
 Title of the Paper: All India Subject I: Physics-I Subject Code: 21UPH11A2 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 2/1/23 To : 7/3/23	<u>Unit - II</u> Nuclear physics (First half)	15 hrs	As per Calendar and time Table	-	<u>Staff</u>	
II From : 8/3/23 To : 29/4/23	<u>Unit - II</u> Nuclear physics (Second half)	15 hrs	As per Calendar and time Table	-	<u>Staff</u>	

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department:PHYSICS.....

Name of the Teacher: ...DR. N. SETHI... N. UMAR...

Year 20 - 2023

Title of the Paper: Pharmaceutical Innovation

Subject Code: 21UNR4N2

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 2/1/23 To : 7/3/23	Unit - IV Women Protective acts	7 hrs	As per calendar and time Table	-	Samir	
II From : 8/3/23 To : 29/4/23	Unit - V Women and child welfare	8 hrs	As per calendar and time Table	-	Samir	

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. B. Gokul Year 2022 - 2023
 Title of the Paper: Allied Subject - II - Physics - II Subject Code: 21UPH4A2 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 02.01.2023 To : 7.03.2023	Unit - I - Quantum Physics Atomic & Elements of Relativity Atom model - Sommerfeld - vector atom models - periodic table - Pauli exclusion principle Excitation and Ionization potentials - Frank & Hertz method	7 hrs/week	As per Time Table	-	<u>AB</u>	
II From : 8.03.2023 To : 29.04.2023	Unit - I - Postulates of Theory of Relativity - Lorentz transformations - derivations - length contraction Time dilation - mass energy equivalence. Unit - II Classification & General properties of nuclei - Characteristics of Nuclear forces - nuclear structure	8 hrs/week	As per Time Table	-	<u>AB</u>	

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. B. Gokul Year 2022-2023
 Title of the Paper: Atomic & Solid State Physics Subject Code: 20UPH609 Semester: ODD EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 02.01.2022 To : 07.03.2023	Atomic and Solid Physics - Unit - I Unit - I - Atomic and Molecular Spectroscopy Unit - V - Superconductivity - Experimental facts of superconductivity - persistent current.	15 hrs	As per Time Table	-		
II From : 08.03.2023 To : 29.4.2023	Unit - IV - X-Rays Unit - V - magnetic fields - Meissner effect Type I & II superconductors - BCS Theory of Superconductivity	15 hrs 15 hrs	As per Time Table	-		

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics

Name of the Teacher: Dr. B. S. Kulkarni

Year 2021-2023

Title of the Paper: Quantum Mechanics-I

Subject Code: 22 PPH 204

Semester: ODD / EVEN ✓

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 02.01.2023 To : 07.03.2023	Unit - IV Time dependent perturbation Theory	7 hrs	As per Time Table	—	<u>Ap</u>	
II From : 08.03.23 To : 29.04.23	Unit - V Semiclassical treatment of radiation	8 hrs	As per Time Table	—	<u>Ap</u>	

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. B. S. Kulkarni Year 2022-2023
 Title of the Paper: Atomic and Molecular Spectroscopy Subject Code: 21PPH4 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 02.01.2023 To : 07.03.2023	Unit - I - Atomic Spectroscopy	15 hrs	As per Time Table	-		
II From : 08.03.2023 To : 29.04.2023	Unit - III - (i) Raman Spectroscopy (ii) Electronic Spectra of diatomic molecules.	15 hrs	As per Time Table	-		

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics

Name of the Teacher: Dr. V. D. N. J. H. A.

Year 2022- 2023

Title of the Paper: Atomic & Molecular Spectroscopy

Subject Code: 21.PPH.4.11

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 2.01.23 To : 27.03.23	UNIT - II Microwave spectroscopy IR spectroscopy UNIT - IV (Half) NMR spectroscopy	24 hrs	As per timetable	—	<u>NON</u>	
II From : 03.03.23 To : 29.4.23	UNIT - IV (Half) NMR spectroscopy UNIT - V ESR Spectroscopy Mossbauer spectroscopy	21 hrs	As per timetable	—	<u>NON</u>	

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. V. D. NITHYA Year 2022-2023
 Title of the Paper: Women's Rights Subject Code: 21.UW.R4N2 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 2/1/23 To: 7/3/23	UNIT I - Laws, legal systems & change UNIT II - Politics of land and gender in India (First half)	8 hrs	As per timetable	-	<u>W.D.</u>	
II From: 8/3/23 To: 29/4/23	UNIT II - Politics of land and gender in India (Second half) UNIT III - Women's Rights: Access to Justice (First half)	7 hrs	As per timetable	-	<u>W.D.</u>	

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: M. V. D. NITHYA

Year 2022 - 2023

Title of the Paper: Electricity & Magnetism Subject Code: 210.PH404

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 21/1/23 To : 7/3/23	UNIT - III Thermoelectricity (First half)	8 hrs	As per time table	—	<u>VDR</u>	
II From : 8/3/23 To : 29/4/23	UNIT - III Thermoelectricity (Second half)	7 hrs	As per time table	—	<u>VDR</u>	

ACADEMIC PLANNING

Department: Physics

Name of the Teacher: Dr. V. D. NITHYAN

Year 2022- 2023

Title of the Paper: Heat & Thermodynamics

Subject Code: 2.2.UPH.202

Semester: ODD / EVEN ☒

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 21/1/23 To : 7/3/23	UNIT - I CONCEPT OF TEMPERATURE - FIRST HALF	This	As per time table	-	<u>UDN</u>	
II From : 8/3/23 To : 29/4/23	UNIT - II CONCEPT OF TEMPERATURE - SECOND HALF	8 hrs	As per time table	-	<u>UDN</u>	

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. V. D. DUTTA

Year 2022 - 2023

Title of the Paper: Allied Physics Paper - I (Maths) Subject Code: 210.PH.4.A.2

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 2/1/23 To : 7/3/23	UNIT - III Quantum Physics (First half)	7hrs	As per time table		<u>VPD</u>	
II From : 8/3/23 To : 29/4/23	UNIT - III Quantum Physics (Second half) UNIT - II Nuclear Physics (First half)	8hrs	As per timetable		<u>VPD</u>	

ACADEMIC PLANNING

Department: Physics

Name of the Teacher: Dr. V. D. NITHYA

Year 2022- 2023

Title of the Paper: Fundamentals of Digital Electronics

Subject Code: 20UPH610

Semester: ODD / EVEN ☒

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 2/1/2023 To : 7/3/2023	UNIT - III Flip - flops and counters (First half)	7hrs	As per timetable	—	<u>WDO</u>	
II From : 8/3/23 To : 29/4/23	UNIT - III Flip - flops and counters (second half)	8hrs	As per timetable	—	<u>WDO</u>	

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: P. E. M. Koushika Year 2022- 2023
 Title of the Paper: Allied Physics II (for chemistry) Subject Code: 21UPH4A2 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 2/1/23 To: 7/3/23	Unit - IV Lasers: Till applications of Lasers	8	As per College Calendar	-	K. U. M.	
II From : 8/3/23 To: 29/4/23	Unit - IV Second half Unit - V: Number systems: upto binary subtraction	7	As per College Calendar	-	K. U. M.	

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. E.M. Koushika Year 2022-2023
 Title of the Paper: Major elective I: Semiconductor device Subject Code: 22PH2E4 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 2/1/23 To: 7/3/23	Unit - IV Ion Implantation	15	As per College Calendar	—	Kucen	
II From: 8/3/23 To: 29/4/23	Unit - V Process Integration and IC Manufacturing	15	As per College Calendar	—	Kucen	

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. E. M. Koleshika Year 2022- 2023

Title of the Paper: Thin Films, Plasma Physics & crystal growth Subject Code: 22.P.P.H.206 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 02.01.23 To : 07.03.23	Unit - III Plasma state characterization	15	As per College Calendar	—	ku	ku
II From : 08.03.23 To : 29.4.23	Unit - IV Fluid theory & Application of Plasma	15	As per College Calendar	—	ku	ku

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. E. M. Kaulhika Year 2022- 2023
 Title of the Paper: Major elective 2: Principles of communication systems Subject Code: 20UPH6E2 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 2/1/23 To: 7/3/23	Unit -I: Television and satellite communication - first half		As per College Calendar	—	RUEM	
II From: 8/3/23 To: 29/4/23	Unit II: Television and satellite communication - second half		As per College Calendar		RUEM	

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: V. Mohankumar Year 2021-2022
 Title of the Paper: Communication Physics Subject Code: 21PPH4010 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 21/1/23 To: 7/3/23	Unit - V Microwaves microwave generation - multicavity klystron - Magnetron, TWT and other microwave tubes - Microwave transistors - microwave integrated circuits - parametric amplifiers - Tunnel diode - Gunn diode. Unit - VI Television and Radars Elements of Radar system - Radar equation - Radar performance factor	93 hrs	As per time table	—	<i>S.E.</i>	
II From: 8/3/23 To: 25/4/23	Unit - VII Radar Transmitting systems - Radar antennas - Duplexers - Radar Receivers and Indicators - Pulsed systems. Unit - VIII communication electronics. fundamentals of data communication systems - data sets and interconnection requirements - network and control considerations - multiplexing Short and medium haul systems - long haul systems - elements of long distance telephony - Satellite communication.	22 hrs	As per time table	—	<i>S.E.</i>	

ACADEMIC PLANNING

Department: Physics Name of the Teacher: V. Mohan Kumar Year 2021-2023
 Title of the Paper: Allied Physics Paper Subject Code: 21UPH4A2 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 21/1/23 To: 7/3/23	Unit - III Quantum Physics photoelectric effect - laws of photoelectric effect - milliken's experiment - photoconductive and photovoltaic cells - Applications of photocells - Production and properties of x-rays - x-ray spectrum	8	As per timetable	—	<i>[Signature]</i>	
II From: 21/3/23 To: 29/4/23	Moseley's law - Compton effect - Relation for change in wavelength - x-ray diffraction - Bragg's law - Miller indices - Determination of h, k, l values of cubic crystals.	7	As per timetable	—	<i>[Signature]</i>	

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics

Name of the Teacher: V. Mohan Kumar

Year 2022- 2023

Title of the Paper: Non-major elective - II
Women's Rights

Subject Code: 21UWR4N2

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 2/1/23 To : 7/3/23	Unit - III Women's Rights - Access to justice crime. against women, Emotional abuse - economic abuse - misogyny, dowry - harassment and death, code of conduct for work place, threat of suicide. Unit - IV Women's protective acts protective legislation for women in Indian Constitution Anti dowry, SIT, PWD, and prevention sexual harassment at work place (Visaka case), Domestic violence & stalking.	8	AS PER time table	—	<u>D. S.</u>	
II From : 8/3/23 To : 29/4/23	Unit - V women and child welfare safety provisions - various forms of mass media radio - visual, internet, cyber space, texting, SMS and smart phone usage. Healing measures for the affected women and child society by private and public sector, WHO and society.	7	AS PER time table	—	<u>D. S.</u>	

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 47.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. V. Mohan Kumar Year 2022-2023
 Title of the Paper: NME-2 Thin film physics, plasma physics and crystal growth Subject Code: 21PPH4N2 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 2/1/23 To: 7/3/23	Unit - V Crystal growth.	16 hrs	As per timetable	—	<u>[Signature]</u>	
II From: 8/3/23 To: 29/4/23	Unit - VI Nucleation, growth and thickness measurements	14 hrs	As per timetable	—	<u>[Signature]</u>	

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: PHYSICS Name of the Teacher: Dr. A. Anu. Kaliani Year 2022-2023
 Title of the Paper: Mathematical Physics Subject Code: 2.2.P.P.H.10.2 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
<u>I</u> From: <u>13/9/22</u> To: <u>31/12/2022</u>	Unit II Special functions fully.	12 hrs	As per Calendar and Timetable	Nil	<u>Anu</u>	<u>dm</u>
<u>II</u> From: <u>1/11/22</u> To: <u>26/11/22</u>	Unit IV Partial differential equations in physics.	12 hrs	As per Calendar and Timetable	Nil	<u>Anu</u>	<u>dm</u>

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. A. Anurag Year 2022-2023
 Title of the Paper: Coex. Paper 6. Optics Subject Code: 20U.P.H.506 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 18/7/22 To: 29/9/22	Unit II: Interference fully	15 hrs	As per Calendar and Timetable	Nil	<u>Anurag</u>	<u>Anurag</u>
II From: 30/9/22 To: 26/11/22	Unit I: Geometrical optics Ab Aberrations and Dispersions	15 hrs	As per Calendar and time table	Nil	<u>Anurag</u>	<u>Anurag</u>

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. K. Saravanas Kumar Year 20 - 2022-2023
 Title of the Paper: Principles of Electronic Devices and Circuits Subject Code: 20WPH507 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 30.5.22 To : 26.11.22	Unit II Transistor Biasing and Stabilization	15 hrs	As per Calendar and Time table	NIL	<u>Dr. K. Saravanas Kumar</u>	<u>Dr. K. Saravanas Kumar</u>
II From : 18.7.22 To : 29.9.22	Unit IV Amplifiers - Single stage & Multistage Operational Amplifiers	15 hrs	As per Calendar and Time table	NIL	<u>Dr. K. Saravanas Kumar</u>	<u>Dr. K. Saravanas Kumar</u>

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. K. Saravamelumar Year 2022-2023
 Title of the Paper: Principles of Electronic Devices and Circuits Subject Code: 20UPH507 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 30.9.22 To : 26.11.22	Unit <u>V</u> Sinusoidal Oscillator	15 hrs	As per Calendar and time table	NIL	<i>[Signature]</i>	<i>[Signature]</i>
II From : To :						

ACADEMIC PLANNING

Department: Physics

Name of the Teacher: Dr. K. Suresh Kumar

Year 2022-2023

Title of the Paper: Laser Physics and Fiber Optics

Subject Code: 20UPH5E1

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: To:	Unit III Application of Lasers	7 hrs	As per Calendar and Time table	NIL	<u>[Signature]</u>	<u>[Signature]</u>
II From: 18.7.22 To: 28.9.22	Unit IV Optical fibers and its attenuation	8 hr	As per calendar and Time table	NIL	<u>[Signature]</u>	<u>[Signature]</u>

GOVERNMENT ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. K. Sankaranarayanan Year 2022-2023
 Title of the Paper: Electronics and Microprocessor Subject Code: 22PH1EL Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 13.9.22 To : 26.11.22	Unit I Non Linear Integrated Circuits	12 hrs	As per calendar and time table	NIL	<i>[Signature]</i>	<i>[Signature]</i>
II From : To :						

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. K. Sankaranarayanan Year 2022-2023
 Title of the Paper: Nanotechnology: Principles and Applications Subject Code: 20PPLH3N.1 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 18.7.22 To: 25.9.22	Unit I Concepts in Nanomaterials	23 hrs	As per Calendar and Time table	NIL	<i>[Signature]</i>	<i>[Signature]</i>
II From: 18.7.22 To: 25.9.22	Unit II Synthesis of Nanoscale Materials and Structures	23 hrs	As per Calendar and Time table	NIL	<i>[Signature]</i>	<i>[Signature]</i>

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. K. Sankaranarayanan Year 2022-2023
 Title of the Paper: Nanotechnology: principles and Applications Subject Code: 21PPH3N1 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : <u>30.9.22</u> To : <u>26.11.22</u>	Unit <u>III</u> Characterization of Nanomaterials	22 hrs	As per Calendar and Time table	NIL	<u>Dr. K. Sankaranarayanan</u>	<u>Dr. K. Sankaranarayanan</u>
II From : <u>30.9.22</u> To : <u>26.11.22</u>	Unit <u>IV</u> Applications of Nanotechnology	22 hrs	As per Calendar and Time table	NIL	<u>Dr. K. Sankaranarayanan</u>	<u>Dr. K. Sankaranarayanan</u>

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: K. KARUPPUSAMY

Year 2022-2023

Title of the Paper: Classical Mechanics Subject Code: 22PH151

Semester: ODD ⁷ EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 13/9/22 To : 26/11/22	Classical Mechanics Unit I - Mechanics of a single and system of particles. Unit II - Lagrangian formulation	15 hrs 12 12 27 hrs	As per Calendar and time table	Nil	<u>[Signature]</u>	<u>[Signature]</u>
II From : To :	I					

ACADEMIC PLANNING

Department: Physics Name of the Teacher: K. KARUPPUSWAMY Year 2022-2023
 Title of the Paper: Principles of Electronic Devices and Circuits Subject Code: 20UPH507 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 12/7/2022 To : 21/7/2022	<u>Unit I</u> Semiconductors, Semiconductor devices Special diodes Rectifiers and filters <u>Unit II</u> Transistor Biasing and stabilization	22 hrs	As per calendar and time table.	NIL		
II From : 22/7/22 To : 11/11/2022	<u>Unit II</u> Transistor Equivalent circuits and h-parameters <u>Unit III</u> Field effect Transistor (FET) and Junction Transistor (VJT)	23 hrs	As per calendar and time table	NIL		

ACADEMIC PLANNING

Department: PHYSICS Name of the Teacher: K. KARUPPUSWAMY Year 2022-2023
 Title of the Paper: Electronics and Microprocessors Subject Code: 22 PPH IEL Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 13/9/22 To : 26/11/22	Unit III Microprocessor Architecture Unit IV Peripheral devices and I/O interfacing	12 hrs 12 hrs	As per calendar and time table	-	<i>[Signature]</i>	<i>[Signature]</i>
II From : To :	<i>[Blank]</i>					

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics

Name of the Teacher: B. Chandan Shetty

Year 2022-2023

Title of the Paper: Mechanics

Subject Code: 20UPH303

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 25/8/22 To: 29/9/22	Unit - II - Projectiles projectiles - Range . . . path of a projectile Unit - V - Hydrodynamics.	15 hrs	As per calendar & time table.	-	B	Ch
II From: 30/9/22 To: 26/11/22	Unit - II Impulse - direct & oblique impact . . . Loss of energy during direct & oblique impact. Unit - IV - flotation. Law of flotation . . . the metacentric height of a ship.	15 hrs	As per calendar & time table	-	B	Ch

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics

Name of the Teacher: B. Chander Shekar

Year 2022-2023

Title of the Paper: Electromagnetic Theory

Subject Code: 20PPH308

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 18/7/22 To: 29/9/22	Unit-I: Electrostatics Dielectric polarization ... energy density. Unit-III - propagation of electromagnetic waves.	14 hrs	As per calendar Time taken	-	Bcy	Am
II From: 30/9/22 To: 26/11/22	Unit-II: Magnetostatics. Biot-Savart law statement ... magnetic vector potential. Unit-III: Interaction of EMW with matter on microscopic scale Unit-V: Relativistic Electrodynamics (Half Unit).	16 hrs	As per calendar Time taken	-	Bcy	Am

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: B. Chandan Shekar

Year 2022- 2023

Title of the Paper: Condensed Matter Physics-I Subject Code: 22 PPH 103

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 13/9/22 To : 31/10/22	Unit-I Crystal structure and reciprocal lattice.	15 hrs	As per Calendar & time table	-	B2	<i>[Signature]</i>
II From : 1/11/22 To : 26/11/22	Unit - IV Lattice vibrations and thermal properties.	15 hrs	As per Calendar & time table.	-	B2	<i>[Signature]</i>

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. A. Ranjitha Year 2022-2023
Nanotechnology
 Title of the Paper: Principles & Applications Subject Code: 21PPH3N1 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 25.8.22 To: 29.9.22	UNIT - V Applications of Nanotechnology	7	As per Calendar & time table	-	Dr	Am
II From: 30.9.22 To: 26.11.22	UNIT - III: Characterization of Nanomaterials: X-ray Diffraction - UV-vis Spectrophotometer - Scanning Electron microscope.	7	As per Calendar & time table	-	Dr	Am

ACADEMIC PLANNING

Department: Physics

Name of the Teacher: Dr. A. Ranjitha

Year 20~~22~~ 202~~3~~ .

Title of the Paper: Condensed Matter Physics - I

Subject Code: 22 PPH 103

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 13.9.22 To : 31.10.22	UNIT - II Structure determination by X-ray diffraction		As per Calendar & time table	-	Dr. Jay	Dr. Anu
II From : 1.11.22 To : 26.11.22	UNIT - II Bonding in Solids		As per Calendar & time table	-	Dr. Jay	Dr. Anu

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KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. A. Ranjitha Year 2022-2023
 Title of the Paper: Mechanics Subject Code: 20UPH303 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 25.8.22 To : 29.9.22	UNIT - III : STATICS. UNIT - IV Fluid Thrust	12	As per Calendar time table		Raj	Anu
II From : 30.9.22 To : 26.11.22	UNIT - I Rigid body dynamics.	14 30	As per Calendar time table		Raj	Anu

Theorem for Linear motion

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. A. Rajitha Year 2022- 2023
 Title of the Paper: Quantum Mechanics & Relativity Subject Code: 20UPH508 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I 25.8.22 From: 18.7.22 To: 29.9.22	UNIT - II Physical Interpretation of the wave function - Normalised & Orthogonal wave function - Conditions satisfied by wave function - Solution of the Schrodinger equation - Stationary state solution. UNIT - V : Relativity.	15	As per Calendar & time table	-	<i>Par</i>	<i>Am</i>
II From: 30.9.22 To: 26.11.22	UNIT - III & UNIT - IV : Physical applications of Schrodinger equation.	21	As per Calendar & time table	-	<i>Par</i>	<i>Am</i>

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: PHYSICS Name of the Teacher: DR. N. SENTHIL KUMAR

Year 2022- 2023

Title of the Paper: PHYSICS: 5. Mathematical Physics Subject Code: 20UPH505

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 18.07.22 To : 29.09.22	Unit-III Application of Vectors * Hydrodynamics - Equation of Continuity - Cartesian Form Incompressible fluid - Euler's equation of motion - Bernoulli's equation - Fourier's Heat Flow equation (one dimension) Unit-IV The Lagrangian Formulation - Lagrange's Equation from D'Alembert's Principle - Lagrange's Equation for Systems containing dissipative.	15 hrs	As per Calendar and Time table	-	<u>Senthil</u>	<u>Am</u>
II From : 30.09.22 To : 26.11.22	Unit-V Application of Lagrange's Equations. Lagrangian for a simple pendulum - The Atwood's machine Lagrangian for the resulting motion of a bead sliding on uniformly rotating wire - Lagrangian for the motion of two particles under gravitational field - Equation of motion of a spherical pendulum - Lagrangian Formulation of conservation theorem - Generalized momentum - conservation theorem for energy - conservation theorem for Linear momentum.	15 hrs	As per Calendar and Time table.	-	<u>Senthil</u>	<u>Am</u>

ACADEMIC PLANNING

Department: PHYSICS

Name of the Teacher: DR. N. SANKHILAL

B.Sc. Chemistry

Year 2022 - 2023

Title of the Paper: PHYSICS

Subject Code: 21.UPH.3.A.1

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 18.07.22 To: 29.09.22	Mechanics Unit-I Composition of two simple harmonic motions along a line and at right angles - Lissajous figures, uniform circular motion - acceleration of a particle in a circle - centripetal and centrifugal forces - Banking on curved tracks, projectile motion in horizontal plane - maximum height - Time of flight - Range - to prove the path of the projectile is a parabola - Range and time of flight in a horizontal plane.	15 hrs	As per calendar and Time table	—	<i>[Signature]</i>	<i>[Signature]</i>
II From: 03.10.22 To: 26.11.22	Current Electricity and Unit-IV Electromagnetism. Kirchhoff's Law - Wheatstone's network - condition for balance - Carey - Foster's bridge - measurement of resistance - capacitance - Energy of charged capacitors - Loss of energy due to sharing of charges - Electromagnetic induction - Faraday's Law - AC circuits - mean - rms - peak values - LCR in series and in parallel - sharpness of resonance - Potentiometer - Theory - Measurement of cell e.m.f. - Transformer and its applications.	15 hrs	As per calendar and Time table	—	<i>[Signature]</i>	<i>[Signature]</i>

ACADEMIC PLANNING

Year 2021, 2023

Semester: ✓ ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
1 From : 13.09.22 To : 31.10.22	Unit - V Lattice Specific heat Concepts of Specific heat - Dulong and Petit's Law Einstein Theory of Lattice specific heat, Debye Theory of Lattice Specific heat. Free electron theory and Electronic specific heat. Classical free electron theory of metals - Drawbacks of classical theory.	15 hrs	As per Calendar and Time table	—	Enam	Anu
II From : 01.11.22 To : 26.11.22	Quantum theory of free electrons - Free particle - tunnel effect - particle in a box - three dimension box - density of states - Fermi - Dirac distribution Function - heat capacity of electron gas - Sommerfeld's Quantum theory for electronic heat capacity. Electrical and Thermal conductivity, Failures of Sommerfeld's Theory.	15 hrs	As per calendar and Time table	—	Enam	Anu

ACADEMIC PLANNING

Department: PHYSICS Name of the Teacher: Dr. N. SENTHIL Year 2022 - 2023
 Title of the Paper: Core Paper I - Quantum mechanics-II Subject Code: 211 PPH1307 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 18.07.2022 To : 22.09.2022	Unit-V (First half) Quantum Theory of Scattering. Scattering cross-section - scattering amplitude Partial waves - Scattering by a central Potential.	15 hrs	As per calendar and time table	—	<u>Senm</u>	<u>Asu</u>
II From : 23.09.2022 To : 24.11.2022	Unit-V (Second half) Partial wave analysis - significant number of partial waves - The Born approximation Scattering by a screened coulomb potential Validity of Born approximation.	15 hrs	As per calendar and time table	—	<u>Senm</u>	<u>Asu</u>

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department:PHYSICS..... Name of the Teacher:Dr. N. Srinivas Kumar..... Year 2022- 2023

Title of the Paper: Non Major Elective-I..... Human rights Subject Code: 21.UHR.3.N1.....II B.Sc Chemistry, Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 18.07.2022 To : 29.09.22	Unit-III * 3.3. National Human Rights Commission and State Human Right Commission. Unit-IV * Aged Persons and Their Human Rights * Human Rights of persons with disabilities * Tribal Human Rights in India		As per calendar and Time table	-	Staff	HOD
II From : 30.09.22 To : 26.11.22	* The Three Generation Human Rights Unit-V * Rights of women, Child, Refugees and minorities * media and Human Rights * NGO's in Protection of Human Rights * Right to Election.		As per calendar and time table.	-	Staff	HOD

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physica Name of the Teacher: Dr. S. SELVI Year 2022 - 2023
 Title of the Paper: Classical Mechanics Subject Code: 22.P.P.H.101 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 13.9.22 To: 31.10.22	Unit - II Mechanics of rigid body Generalised coordinates for rigid body motion - Euler's integrals - infinitesimal rotations - Coriolis force Foucault's pendulum - application of a free fall of a body on earth's surface	7hrs	As per time table	NIL		
II From: 1.11.22 To: 26.11.22	Unit - III Moments and products of inertia - Euler's eqn. of motion - free free motion of a symmetrical rigid body - heavy symmetrical top under gravity - fast top and sleeping top conditions	8hrs	As per time table	NIL		

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. S. SELVI Year 2022-2023
 Title of the Paper: Allied subject - Physics-I (chemistry) Subject Code: 21UPH3A1 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 18.7.22 To: 29.9.22	Unit - III Thermal Physics Specific heat of solids & liquids - Dulong & Petit's law - Newton's law of cooling - thermal conductivity - Leeb's disc method - Vander waal's equation of state - Critical Constants	7 hrs	As per timetable	NIL		
II From: 30.9.22 To: 26.11.22	Unit - III Black body radiation - Stefan's law - Laws of thermodynamics - change in entropy in reversible and irreversible process.	8 hrs	As per timetable	NIL		

PHYSICS		Name of the Teacher: D. S. SELVI	Year 2022 - 2023			
Paper: HME - Human Rights		Subject Code: 21UHR3N1	Semester: ODD / EVEN			
No. & Date	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 18.7.22 To: 22.9.22	Unit - I Definition, Meaning, concept, Theories and kinds of Human Rights Evolution and protection of Human Rights in India Development of Human Rights in UN Unit - II United Nations charter and Human Rights	Thrs	As per timetable	NIL		
II From: 23.9.22 To: 24.11.22	Unit - II UN Commission on Human Rights Universal Declaration on Human Rights International Covenant Civil & Political rights Unit - III Human Rights & Fundamental Rights Enactments regarding Human Rights in India	8hrs	As per timetable	NIL		

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. S. SELVI Year 2022-2023
 Title of the Paper: Allied Subject - Physics (Maths) Subject Code: 21UEH3A1 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 18.7.22 To: 29.9.22	Unit - III Thermal Physics Specific heat of solids & liquids - Dulong Petit law - Newton's law of cooling - Thermal conductivity - Loeb's disc method - Vander Waal's Equation of state - Critical constants	Thrs	As per timetable	NIL		
II From: 30.9.22 To: 26.11.22	Unit - III Black body radiation - Stefan's Law - Laws of thermodynamics - change in entropy in reversible and irreversible process	8hrs	As per time table	NIL		

Department: Physics Name of the Teacher: Dr. S. SELVI Year 2022 - 2023
 Title of the Paper: Quantum mechanics & Relativity Subject Code: 20UPH508 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 18.7.22 To: 29.9.22	Unit - I Inadequacy of classical mechanics - Shortcomings of old quantum theory - Foundations of wave mechanics - Dual nature of light and matter - Experimental evidence for matter waves - Davisson and Germer's electron diffraction experiment - G.P. Thomson's experiment.	7hrs	As per timetable	NIL		
II From: 30.9.22 To: 26.11.22	De Broglie concept of stationary orbits - De Broglie wavelength associated with electron accelerated through a potential difference - Non relativistic expression - Relativistic expression.	8hrs	As per timetable	NIL		

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. S. SELVI Year 2022 - 2023
 Title of the Paper: Physics in Everyday Life Subject Code: 20 UPH 5x1 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 18.7.22 To: 29.9.22	Unit - I Physics of Universe and Solar System Origin - Bigbang - Oscillating - steady state - Sun. Solar system - Interior - exterior planets - Moon - Eddies Law Unit - II - Physics in Human body Eye as an optical instrument - vision defects - Rayleigh criterion & Resolving power		As per timetable	NIL		
II From: 30.9.22 To: 26.11.22	Unit - II Sound waves and hearing - Sound intensity Decibel Scale - Temp control Unit - III Physics in sports Sweet spot - dynamics of rotating objects - Running, jumping & pole vaulting.		As per timetable	NIL		

Department: Physics Name of the Teacher: Dr. S. SELVI Year: 2022-2023
 Title of the Paper: Biomedical Instrumentation Subject Code: 21.P.P.H.3.A.1 Semester: ODD / EVEN

Sl. No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: <u>18.7.22</u> To: <u>29.9.22</u>	<u>Unit - I Bioelectric signals and Transducers</u> Origin - Electromyogram - physiological transducers - Classification - resistors, capacitance, inductive transducers - LVDT - Piezoelectric - pressure transducers - LVDT and strain gauge transducers - electrical resistance thermometer - Photoelectric - photovoltaic and photoemissive cells - silicon diodes, LEDs and diode arrays - <u>Unit - II Blood gas analyzers, pulmonary function & limits</u> Blood pH - electrodes for pH - blood PCO ₂ - blood PO ₂ measurements - complete blood gas analyzer	12 hrs 7 hrs	As per time table	NIL		
II From: <u>30.9.22</u> To: <u>26.11.22</u>	<u>Unit - II Pulmonary function analyzers</u> - Ventilation, distribution & diffusion - Respiratory volumes & capacities - Basic spirometer & ultrasonic spirometer - oximeters - Ear oximeter - pulse oximeter - <u>Unit - III Blood cell counters, audiometer & Bio-medical recorders</u> Types of blood cells - Methods of cell counting - Automatic - Electrical conductivity method	15 hrs 8 hrs	As per time table	NIL		

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. B. Gokul Year 2022 2023
 Title of the Paper: Condensed Matter Physics-II Subject Code: 21PP1B09 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 18.7.22 To: 22.09.22	Unit-V - Magnetism Diamagnetism and paramagnetism	15 hrs 7 hrs	As per Time Table	-	<u>AB</u>	<u>Ann</u>
II From: 23.09.22 To: 24.11.22	Unit-V Magnetism Ferromagnetism, Antiferromagnetism and Ferrimagnetism	8 hrs	As per Time Table	-	<u>AB</u>	<u>Ann</u>

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. B. Gopal Year 2022-2023
 Title of the Paper: Mathematical physics Subject Code: 21PPH102 Semester: ODD / ~~EVEN~~

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 18.7.22 To : 22.9.22	Unit - V Numerical Analysis	15 hrs	As per Time Table	—		
II From : 23.9.22 To : 24.11.22	Unit - III Group Theory and Tensors	15 hrs	As per Time Table	—		

ACADEMIC PLANNING

Department: Physics

Name of the Teacher: Dr. B. G. Patel

Year 2022- 2023

Title of the Paper: Allied Subject - I - Physics-I

Subject Code: 21UPH3A1

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 18.7.22 To : 22.9.22	Unit - I - Mechanics Simple Harmonic motion - Lissajous figures - Centripetal and centrifugal forces.	6 hrs	As per Time Table	-	<u>Dr. B. G. Patel</u>	<u>Dr. B. G. Patel</u>
II From : 23.9.22 To : 24.11.22	Unit - I Mechanics Projectile	6 hrs	As per Time Table	-	<u>Dr. B. G. Patel</u>	<u>Dr. B. G. Patel</u>

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: PHYSICS

Name of the Teacher: Dr. E. M. Koushika

Year 2022-2023

Title of the Paper: CORE PAPER 6 - OPTICS

Subject Code: 20UPH506

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 12.07.22 To : 29.09.22	Unit-III - Diffraction Fresnel's assumptions - rectilinear propagation of light - half period zone - zone plate - action and construction - comparison with the convex lens - Fresnel and Fraunhofer diffraction - Fraunhofer diffraction at a single slit - Diffraction grating - resolving power and dispersive power of a grating. Unit-IV - Polarization Double refraction - Huygen's explanation in uniaxial crystal - Quarter wave plate - Half wave plate - Babinet's compensator.	15	As per College Calendar	-	<i>[Signature]</i>	<i>[Signature]</i>
II From : 30.09.22 To : 26.11.22	Unit-IV : Production and detection of plane, circularly and elliptically polarized light - Optical activity - Fresnel's explanation - specific rotation - Laurent's half shade polarimeter. Unit-V : optical instruments Objective lens and eye piece : Huygen's eyepiece - Ramsden eyepiece - compound microscope - astronomical telescope (refracting) - Constant deviation spectrometer - Kerr cell method - Anderson's method.	15	As per College Calendar	-	<i>[Signature]</i>	<i>[Signature]</i>

ACADEMIC PLANNING

Department: PHYSICS Name of the Teacher: Dr. E. M. Kowlika Year 2022-2023
 Title of the Paper: Core paper 5: Mathematical Physics Subject Code: 20UPH505 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 18-01-22 To : 29-01-22	Unit II Differential operators in vectors. Orthogonal curvilinear coordinates - Differential operators - gradient - divergence - Laplacian - Curl. spherical polar coordinates - differential operators - gradient - divergence - Laplacian - curl - operator	8	As per College Calendar	—	K. U. M.	<i>Am</i>
II From : 30-01-22 To : 26-11-22	Unit III: Cylindrical Coordinates - differential operators - gradient - divergence. Unit IV: The Lagrangian Formulation - Lagrange's equation from D'Alembert's Principle - Lagrange's equations for systems containing dissipative.	7	As per College Calendar	—	K. U. M.	<i>Am</i>

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. E.M. Koushika Year 2022- 2023
 Title of the Paper: Subject I: Allied Physics I Subject Code: 21UPH3A1 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 18.07.22 To : 29.09.22	Unit IV : Optics Condition for interference - Young's double slit exp't - Interference due to transmitted light - Airy wedge - Newton's rings - Determination of refractive index of a liquid - Diffraction - Diffraction at a single slit - Transmission gratings.	8	As per college calendar	-	ku en	<u>Anu</u>
II From : 30.09.22 To : 26.11.22	Unit IV Polarization - Production and analysis of circularly and elliptically polarized light - Optical activity - Specific rotation - Half shade Polarimeter. Unit V : Current electricity and electromagnetism. Capacitor - Energy of a charged capacitor - Loss of energy due to sharing of charges - Electromagnetic induction - Faraday's laws.	7	As per college calendar	-	ku en	<u>Anu</u>

ACADEMIC PLANNING

Department: PHYSICSName of the Teacher: Dr. E. M. Koushika

Year 2022-2023

Communication Physics

Subject Code: 22PHIE2Semester: ODD / EVENTitle of the Paper: Major elective paper I

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 13-09-22 To : 31-10-22	Unit - IV Communication electronics fully	15	As per College Calendar	—	ku en	<i>Any</i>
II From : 01-11-22 To : 26-11-22	Unit - V : Microwaves fully	15	As per College Calendar	—	ku en	<i>Any</i>

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: DY. E.M. Koushika Year 2022-2023

Title of the Paper: E.D.C. - Biomedical Instrumentation Subject Code: 21PPH3X1 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 18.07.22 To : 29.09.22	Unit III Hearing aids, ECG, EEG Unit IV Modern Imaging systems - full unit	8	As per College Calendar	-	calo	Ann
II From : 30.09.22 To : 26.11.22	Unit - V Electrical safety of medical instruments	7	As per College Calendar	-	kua	Ann

ACADEMIC PLANNING

Department: Physica Name of the Teacher: Dr. E. K. Kulkarni Year 2022-2023
 Title of the Paper: NMC-I: Human Rights Subject Code: 21UHR3N1 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 18.07.22 To: 29.09.22	Unit I - stand - full unit Unit II - Full unit Unit III - First half	8	As per college calendar	—	Kul. En	<i>[Signature]</i>
II From: 30.09.22 To: 26.11.22	Unit III - Second half Unit IV - full unit Unit V - full unit	7	As per college calendar	—	Kul. En	<i>[Signature]</i>

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics

Name of the Teacher: Dr. E. M. Koushika

Year 2022- 2023

Title of the Paper: B.S.-I: General Science

Subject Code: 21UGAS-1

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 12-07-22 To : 29-09-22	Unit III : Computer Science, Education Unit-IV : Library and Information science, Sports and games	8	As per college calendar	-	KUD	<u>Am</u>
II From : 30-09-22 To : 26-11-22	Unit -IV Current affairs. Unit-V : NCC, NSS, YRC	7	As per college calendar	-	KUD	<u>Am</u>

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: D. V. MOHAN KUMAR Year 2022-2023
 Title of the Paper: Laser physics and Fiber optics Subject Code: 20UPH5E1 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 1/08/22 To : 29.9.22	Unit - V Fiber fabrication and communication classification of fiber fabrication techniques: external chemical vapour deposition, internal CVD, multielement glasses and phased system. retroactive	7 hr	AS per timetable	NIL		
II From : 30/9/22 To : 26/11/22	Unit - V Fiber fabrication and communication Fiber communication Light sources and detectors - optical connectors and couplers - transmitter for fiber optic communication - high performance circuit (LED digital transmitter) - fiber optic receiver - high performance receiver	8 hr	AS per timetable	NIL		

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. V. Mohankumar Year 2022-2023
 Title of the Paper: communication physics Subject Code: 22 PH1E2 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 13-9-22 To: 31-10-22	Unit-I Modulation and Detection need for modulation - modulation index - principles of AM and FM with circuit diagrams - comparison of DSB, SSB, DSBSC and VSB transmission - multichannel communications (FDM, TDM) - AM detection - frequency Discriminator - Ratio detector.	15 hrs	AS per timetable	NIL		
II From: 1-11-22 To: 26-11-22	Unit-II Antennal and wave propagation	15 hr	AS per timetable	NIL		

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics

Name of the Teacher: Dr. V. MATHAN KUMAR

Year 2022 - 2023

Title of the Paper: Applied Physics - I (Chemistry)

Subject Code: 21UPH3A1

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: <u>21/08/2022</u> To: <u>29/9/22</u>	Unit - I properties of matter and sound Elasticity: Elastic constants - Bending of beams - Young's modulus by uniform and non-uniform bending - Energy stored in a stretched wire - Torsion in a wire - Determination of rigidity modulus - Torsional oscillation - Static torsion.	7 hr	As per timetable	NSL	<u>[Signature]</u>	<u>[Signature]</u>
II From: <u>30-09-22</u> To: <u>26-11-22</u>	Unit - II properties of matter and sound Sound; Interference of sound waves - Beats - Doppler effect - Applications - production of ultrasonics / piezoelectric method. Applications.	8 hr	As per timetable	NSL	<u>[Signature]</u>	<u>[Signature]</u>

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. V. MOHAN KUMAR Year 2022-2023
 Title of the Paper: Allied Physics-I (Mathematics) Subject Code: 21UPH3A1 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 01-05-2022 To : 29-09-2022	Unit - II properties of matter and sound Elasticity : Elastic constants - Bending of beams - Young's modulus, by uniform and non-uniform bending - Energy stored in a stretched wire - Tension in a wire - Determination of rigidity modulus - Torsional oscillation - Static torsion.	7 hr	AS per timetable	NIL		
II From : 30-09-22 To : 26-11-22	Unit - II Properties of matter and sound Sound : Interference of sound waves - Beats - Doppler effect - Applications - production of ultrasonics piezoelectric method - Applications.	8 hr	AS per timetable	NIL		

ONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics

Name of the Teacher: Dr. V. Mohan Kumar

Year 2022-2023

Title of the Paper: Physics in Everyday Life

Subject Code: 20UPH5X1

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 1-08-2022 To : 29-9-22	Unit - V Physics in Appliances	70 hrs	AS per timetable	NSL		
II From : 30-9-22 To : 26-11-22	Unit - IV Physics in Technology Unit - III Banana shot; Magnus force - Turbulence and drag.	8 hrs	AS per timetable	NSL		

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: P.HYSICS Name of the Teacher: Dr. V. D. NITHYA Year 2022- 2023
 Title of the Paper: Electromagnetic theory & Electrodynamics Subject Code: 21P.PH.308 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 18.7.22 To : 29.9.22	UNIT - 2 Field Equation and conservation laws.	14h	As per timetable	-	<u>WV</u>	<u>Am</u>
II From : 30.9.22 To : 26.11.22	UNIT - 4 Interaction of EMW with matter on macroscopic scale. UNIT - 5 - (Half) Relativistic Electrodynamics.	16h	As per timetable	-	<u>WV</u>	<u>Am</u>

Department: PhysicsName of the Teacher: Dr. V. D. Nithya

Year 2022- 2023

Title of the Paper: General AwarenessSubject Code: 21UGA2S1

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 18.7.22 To : 29.9.22	UNIT - I Tamil & Other Literatures Economics & Commerce Social studies	7h	As per timetable	-	<u>VDR</u>	<u>Am</u>
II From : 30.9.22 To : 26.11.22	UNIT - II Numerical aptitude Verbal Aptitude Abstract Reasoning UNIT - III (First half) General Science & Technology Computer Science	8h	As per timetable	-	<u>VDR</u>	<u>Am</u>

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: PHYSICS Name of the Teacher: Dr. V. D. Nithya Year 2022 - 2023
 Title of the Paper: Communication Physics Subject Code: 21PAPH1E2 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 13.9.22 To: 31.10.22	UNIT - 3 Television and Radar	Th.	As per timetable	-	<u>W.D.</u>	<u>Dr. V. D. Nithya</u>
II From: 1.11.22 To: 26.11.22	UNIT - 3 Television and Radar	8h.	As per timetable	-	<u>W.D.</u>	<u>Dr. V. D. Nithya</u>

ACADEMIC PLANNING

Department: PHYSICS Name of the Teacher: Dr. V. D. Nithya Year 2022 - 2023
 Title of the Paper: Classical Mechanics Subject Code: 22PPH101 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 13.9.22 To: 31.10.22	UNIT - 5 Hamilton - Jacobi theory and small oscillations	14 h.	As per time table	-	<u>V.D.N.</u>	<u>Am</u>
II From: 1.11.22 To: 26.11.22	UNIT - 4 Hamiltonian formulation	16 h.	As per time table	-	<u>V.D.N.</u>	<u>Am</u>

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department : Physics Name of the Teacher : Dr. P. MATHESWARAN Year 2002 - 2003
 Title of the Paper : Condensed Matter Physics - II Subject Code : 2IPPH 309 Semester : ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 18.7.22 To : 22.9.22	UNIT: 2 Semiconductors UNIT: 3 Superconductors	45 Hrs	As per time table	— NIL —	<i>[Signature]</i>	<i>[Signature]</i>
II From : 23.9.22 To : 24.11.22	UNIT: 4 Dielectrics and Ferroelectrics UNIT: 1 Band theory of solids	45 Hrs	As per time table	— NIL —	<i>[Signature]</i>	<i>[Signature]</i>

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department : Physics Name of the Teacher : Dr. P. Natheswaran Year 2002 - 2003
 Title of the Paper : Laser Physics and Fiber Optics Subject Code : 20UPH5E1 Semester : ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 18.7.22 To : 22.9.22	UNIT:1 Conventional Lasers. UNIT:2 (Part:1) Advanced Lasers.	15 Hrs	As per time table	— NIL —		
II From : 23.9.22 To : 24.11.22	UNIT:2 (Part:2) Advanced Lasers. UNIT:3 (Part:1) Applications of Laser.	15 Hrs	As per time table	— NIL —		

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics

Name of the Teacher: Dr. M. S. S. S. S.

Year 2022-2023

Title of the Paper: Quantum Mechanics-I Subject Code: 21 PPH 307

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 18.7.22 To : 29.9.22	Unit - III : Relativistic Quantum Mechanics and first half of Unit - I : Many e^- systems	22	As per calendar & Time table	NIL	<u>M. S. S. S.</u>	<u>Am</u>
II From : 30.9.22 To : 26.11.22	Second half of Unit - I and Unit - II : Molecular Structure	23	As per Calendar & Time table	NIL	<u>M. S. S. S.</u>	<u>Am</u>

Department: Physics Name of the Teacher: D. N. Sethi Year 20 - 20
 Title of the Paper: Mathematical Physics Subject Code: 22PH102 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 13-09-22 To : 26-11-22	Unit - I : Complex variables	As per calendar Time table 12	As per calendar and Time table	NIL	<i>Devi</i>	<u><i>Am</i></u>
II From : To :						

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics

Name of the Teacher: Dr. N. Sathya

Year 2022- 2023

Title of the Paper: Mathematical Physics Subject Code: 20UPH505

Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 18.07.22 To : 29.09.22	Unit - I Fourier Series (First Half)	7	As per calendar & Time table	NIL	<i>[Signature]</i>	<i>[Signature]</i>
II From : 30.09.22 To : 26.11.22	Unit - I Fourier Series (Second Half) Unit - IV (a portion shared between faculties)	8	As per calendar & Time table	NIL	<i>[Signature]</i>	<i>[Signature]</i>

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. M. Seetha Year 2022 - 2023

Title of the Paper: Properties of matter & Sound Subject Code: 22UPH101 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 01.08.22 To : 29.9.22	Unit - II : Elasticity (First Half)	6	As per calendar & Time table	NIL	<u>Seetha</u>	<u>Seetha</u>
II From : 30.09.22 To : 26.11.22	Unit - II : Elasticity (Second Half)	7	As per calendar & Time table	NIL	<u>Seetha</u>	<u>Seetha</u>

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. M. Mahamed Ibrahim Year 2022- 2023
 Title of the Paper: Electronics & Microprocessor Subject Code: 22 PPHIE1 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 13.9.22 To : 31.10.22	<u>Unit - I.</u> Power Electronics	15 hrs	As per the time table			
II From : 1.11.22 To : 26.11.22	<u>Unit - V</u> Microprocessor based data acquisition systems.	15 hrs	As per the time table			

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. M. Mohamed Ibrahim Year 2022- 2023
 Title of the Paper: Properties of Matter Subject Code: 22UPH (P) Semester: ODD / ~~EVEN~~

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 18.7.22 To : 29.9.22	<u>Unit - III</u> : Surface Tension	15 Hrs	As per the time table		<i>[Signature]</i>	<i>[Signature]</i>
II From : 30.9.22 To : 26.11.22	<u>Unit - IV</u> : Acoustics & Ultrasound	15 Hrs	As per the time table		<i>[Signature]</i>	<i>[Signature]</i>

	Applications of Laser								
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KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. M. Mohamed Ibrahim Year 2021 - 2022
 Title of the Paper: Condensed Matter Physics Subject Code: 21 PPM103 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From: 15.7.21 To: 29.9.22	<u>Unit III - Crystal Imperfections</u> First Half of 3 rd unit	8 hrs	As per the timetable	—	<i>[Signature]</i>	<i>[Signature]</i>
II From: 30.9.22 To: 26.11.22	Second Half of 3 rd unit	7 hrs	As per the timetable	—	<i>[Signature]</i>	<i>[Signature]</i>

ACADEMIC PLANNING

Department: Physics Name of the Teacher: Dr. M. Mohamed Ibrahim Year 2022 2023
 Title of the Paper: Quantum Mechanics Subject Code: 21PH3071 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From : 18.7.22 To : 29.9.22	<u>Unit-IV</u> First Half of 4 th unit.	8 hrs	As per the time table			
II From : 30.9.22 To : 26.11.22	<u>Unit-IV</u> Second Half of 4 th Unit.	7 hrs	As per the time table			