				Lecture Plan			
Name of the	College: Governme	nt College of Arts,	Science a	nd Commerce. Sanquelim -	Goa		
Name of Fac	ulty: Vidhita Parab			Subject: Physics			
Paper code:	PHY131			Program: F.Y.B.Sc		Division:	
Academic ye	ear: 2024-25			Semester: I		Total Lectures	45
Course Objethe fields of		tand history of _l	physics a	nd to study more about t	the scientist w	ho have the co	ontribution in all
1. Understa incrementa 2. Realise the developmenta 3. Analyse compact on many 4. Understa	ome: Student will ke and that the develon I. that a few great men and of physics. different laws and the modern science. and that results that the introduction of	pment of Physics n and women inf heories of physic t could not be ex	luenced thess and the				
Student Lea	arning Outcome: A	Able to understa	and histor	ry of physics and will lea	rn about all t	he scientists.	
Month	Lecture From	Lecture To	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/ Assignment	ICT Tools	Reference books

June- july	28-06-2024	06-07-2024	4	Unit 1: An introduction	1. I. Glynn,
, ,				to the Science of	Elegance in
				Galileo	Science, Oxford
				Unit 1: An introduction	University Press
				to the Science of	2010
				Galileo	2. J. Gribbin,
				Unit 1: An introduction	Science a History,
				to the Science of	Penguin, 2009.
				Galileo	3. J. Gribbin and
				Unit 1: An introduction	M. Ribbin, Out of
				to the Science of	the Shadow of a
				Galileo	Giant,
	08-07-2024	13-07-2024		Unit 1: An introduction	William Collins,
				to the Science of	2018.
				Galileo	4. M. Mosley. and
				Unit 2: Halley, Kepler	J. Lynch, The
				and Newton and their	Story of Science,
				Physics	Octopus
				Unit 2: Halley, Kepler	Publishers, 2010.
				and Newton and their	
			3	Physics	
				Unit 2: Halley, Kepler	
				and Newton and their	
	15-07-2024	20-07-2024		Physics	
				Unit 2: Halley, Kepler	
				and Newton and their	
				Physics	
				Unit 2: Halley, Kepler	1. I. Glynn,
				and Newton and their	Elegance in
			3	Physics	Science, Oxford

	22-07-2024	27-07-2024		Unit 2: Halley, Kepler and Newton and their Physics Unit 3: Isaac Newton his Mechanics and his Gravity Unit 3: Isaac Newton his Mechanics and his	University Press 2010 2. J. Gribbin, Science a History, Penguin, 2009. 3. J. Gribbin and M. Ribbin, Out of the Shadow of a
			3	Gravity	Giant,
				Unit 3: Isaac Newton	William Collins, 2018.
August	20.07.2024	02.09.2024		his Mechanics and his Gravity	4. M. Mosley. and
August	29-07-2024	03-08-2024		Unit 3: Isaac Newton	J. Lynch, The
				his Mechanics and his	Story of Science,
				Gravity	Octopus
				Unit 3: Isaac Newton	Publishers, 2010.
				his Mechanics and his	
			3	Gravity	
	05-08-2024	10-08-2024		Unit 3: Isaac Newton	
				his Mechanics and his	
				Gravity	
				Unit 4: Boltzmann,	
				Maxwell and other	1. I. Glynn,
				giants of Classical	Elegance in
				Physics	Science, Oxford
				Unit 4: Boltzmann,	University Press
				Maxwell and other	2010
				giants of Classical	2. J. Gribbin,
			3	Physics Unit 4: Boltzmann,	Science a History, Penguin, 2009.
				Maxwell and other	3. J. Gribbin and
	12-08-2024	17-08-2024	3	giants of Classical	M. Ribbin, Out of
	12 00 2027	17 00 2027		Prairies or classical	141. 1(100111), Out 01

				Physics	the Shadow of a
				Unit 4: Boltzmann,	Giant,
				Maxwell and other	William Collins,
				giants of Classical	2018.
				Physics	4. M. Mosley. and
				Unit 4: Boltzmann,	J. Lynch, The
				Maxwell and other	Story of Science,
				giants of Classical	Octopus
				Physics	Publishers, 2010.
i	19-08-2024	24-08-2024		Unit 4: Boltzmann,	
				Maxwell and other	
				giants of Classical	
				Physics	
				Unit 5: Coulomb,	1. I. Glynn,
				Faraday, Maxwell:	Elegance in
				Electricity and	Science, Oxford
				Magnetism	University Press
				Unit 5: Coulomb,	2010
				Faraday, Maxwell:	2. J. Gribbin,
				Electricity and	Science a History,
			3	Magnetism	Penguin, 2009.
	26-08-2024	31-08-2024		Unit 5: Coulomb,	3. J. Gribbin and
				Faraday, Maxwell:	M. Ribbin, Out of
				Electricity and	the Shadow of a
				Magnetism	Giant,
				Unit 5: Coulomb,	William Collins,
				Faraday, Maxwell:	2018.
				Electricity and	4. M. Mosley. and
				Magnetism	J. Lynch, The
				Unit 5: Coulomb,	Story of Science,
				Faraday, Maxwell:	Octopus
			3	Electricity and	Publishers, 2010.

				Magnetism	
	02-09-2024	05-09-2024		Unit 5: Coulomb,	
				Faraday, Maxwell:	
				Electricity and	
September				Magnetism	
	13-09-2024	14-09-2024		Unit 6: Atomic theory,	
				the periodic table,	
				Mendeleev, Dalton,	
				and Lavoisier	
				Unit 6: Atomic theory,	
				the periodic table,	
				Mendeleev, Dalton,	
			2	and Lavoisier	
	16-09-2024	21-09-2024		Unit 6: Atomic theory,	1. l. Glynn,
				the periodic table,	Elegance in
				Mendeleev, Dalton,	Science, Oxford
				and Lavoisier	University Press
				Unit 6: Atomic theory,	2010
				the periodic table,	2. J. Gribbin,
				Mendeleev, Dalton,	Science a History,
				and Lavoisier	Penguin, 2009.
				Unit 6: Atomic theory,	3. J. Gribbin and
				the periodic table,	M. Ribbin, Out of
				Mendeleev, Dalton,	the Shadow of a
			3	and Lavoisier	Giant,
	23-09-2024	28-09-2024		Unit 6: Atomic theory,	William Collins,
				the periodic table,	2018.
				Mendeleev, Dalton,	4. M. Mosley. and
				and Lavoisier	J. Lynch, The
				Unit 7: The wave-	Story of Science,
				particle duality of light,	Octopus
			3	Max Planck, Neils	Publishers, 2010.

				Bohr, Albert Einstein	
				and Quantum Physics	
				Unit 7: The wave-	
				particle duality of light,	1. I. Glynn,
				Max Planck, Neils	Elegance in
				Bohr, Albert Einstein	Science, Oxford
				and Quantum Physics	University Press
	30-09-2024	05-10-2024		Unit 7: The wave-	2010
				particle duality of light,	2. J. Gribbin,
				Max Planck, Neils	Science a History,
				Bohr, Albert Einstein	Penguin, 2009.
October				and Quantum Physics	3. J. Gribbin and
				Unit 7: The wave-	M. Ribbin, Out of
				particle duality of light,	the Shadow of a
				Max Planck, Neils	Giant,
				Bohr, Albert Einstein	William Collins,
				and Quantum Physics	2018.
				Unit 7: The wave-	4. M. Mosley. and
				particle duality of light,	J. Lynch, The
				Max Planck, Neils	Story of Science,
				Bohr, Albert Einstein	Octopus
			3	and Quantum Physics	Publishers, 2010.
	07-10-2024	12-10-2024		Unit 7: The wave-	1. I. Glynn,
				particle duality of light,	Elegance in
				Max Planck, Neils	Science, Oxford
				Bohr, Albert Einstein	University Press
				and Quantum Physics	2010
				Unit 7: The wave-	2. J. Gribbin,
				particle duality of light,	Science a History,
				Max Planck, Neils	Penguin, 2009.
				Bohr, Albert Einstein	3. J. Gribbin and
			3	and Quantum Physics	M. Ribbin, Out of

Component Max Marks		14-10-2024	22-10-2024	3	Unit 7: The wave- particle duality of light, Max Planck, Neils Bohr, Albert Einstein and Quantum Physics Unit 7: The wave- particle duality of light, Max Planck, Neils Bohr, Albert Einstein and Quantum Physics Unit 7: The wave- particle duality of light, Max Planck, Neils Bohr, Albert Einstein and Quantum Physics Revision	the Shadow of a Giant, William Collins, 2018. 4. M. Mosley. and J. Lynch, The Story of Science, Octopus Publishers, 2010.
		Component	Max Marks		'	

Assessment

ISA 2
Practical
Project
Semester End

Exam

Rubrics

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