

### PHYSICS LECTURE WISE QUESTIONS ( 1st YEAR)

Unit No. & Name	Lecture No.	Questions	Weightage as per University Exam	Reference
<b>Module- 3 Quantum Mechanics</b>	<b>L1</b>	Drive Schrödinger's time independent wave equation.	7.5	UPTU (2009)(2010)(2012) (2015-16)
		What is the physical significance of the state function $\psi$ used in this equation?	2	UPTU (2015-16)
	<b>L2</b>	Drive Schrödinger's time dependent wave equation.	7.5	UPTU (2010-11)
		State and explain Heisenberg's uncertainly principle.	5	UPTU (2012-13) (2013-2014) (2014-2015)
	<b>L3</b>	Explain Black Body Radiation	5	UPTU (2016-17)
		What is Stefan's Law,	5	UPTU (2012-13)
	<b>L4</b>	Explain Wien Law?	5	UPTU (2009-10)
		What is Rayleigh-Jeans Law ?	5	UPTU (2010-11)
	<b>L5</b>	What is Planck's Radiation law?	5	UPTU (2014-15)
		State Schrodinger wave equation for one-dimensional particle in box?	7.5	UPTU (2010) (2014-15)
	<b>L6</b>	Explain Compton effect?	5	UPTU (2014-15)(2017)
		What is matter wave ?	2	UPTU (2013-14)
		Explain the duality natyre of matter wave	5	UPTU (2015-16)