Name of the Assistant / Professor : Akriti

Class and Section B.SC1ST and 3rd year

Paper:1(properties of matter and kinetic theory of gase) and paper:2(Atomic and molecular spectroscopy)

Week	Date/Unit	Day	Week	Class	P Group	Topic
1	01-Jan-18	1	Monday	B.SCIII		Introduction of early observations, emission and absorption spectra, atomic spectra, wave number, spectrum of hydrogen atom in Balmer series
				B.SCI Practical	1st	To study forward and reverse bias characteristics
	02-Jan-18	2	Tuesday	B.SC III		Bohr's postulates, spectra of hydrogen atom explanation of spectral series in hydrogen atom
				B.SC I Practical	1st	To study forward and reverse bias characteristics
	03-Jan-18	3	Wednesday	B.SC III		Un-quantised states and continuous spectra, spectral series in absorption spectra effect of nuclear motion on line spectra
				B.SC I Practical	2nd	To study forward and reverse bias characteristics
	04-Jan-18	4	Thursday	B.SC I		Rotation of rigid body, moment of inertia
				B.SCI Practical	2nd	To study forward and reverse bias characteristics
	05-Jan-18	5	Friday			
						GURU GOBIND SINGH BIRTHDAY
					3rd	
	06-Jan-18	6	Saturday	B.SC I		Torque, Angular momentum and kinetic theory of rotation
				B.SC I practical	3rd	To study forward and reverse bias characteristics
	07-Jan-18	7	Sunday			
2	08-Jan-18	8	Monday	B.SC III		Variation in Rydberg's constant due to finite mass, short comings of bohr's theory
				B.SCIPractical	1st	To study forward and reverse bias characteristics
	09-Jan-18	9	Tuesday	B.SC III		Wilson Somerfield quantisation rule, de Broglie interpretation

					of bohr quantisation law
			B.SC I practical	1st	Practical check with viva
10-Jan-18	10	Wednesday	B.SCIII		Bhor's corresponding principle, short comings of bhor-sommerfield theory
			B.SC I Practical	2nd	To study forward and reverse bias characteristics
11-Jan-18	11	Thursday	B.SC I		Theorem of perpendicular and parallel axes(with proof)
			B.SCI Practical	2nd	Practical check with viva
12-Jan-18	12	Friday	B.SC I		Moment of inertia of solid sphere
			B.SCI Practical	3rd	To study forward and reverse bias characteristics
13-Jan-18	13	Saturday	B.SC I		Hollow sphere, spherical shell
			B.SCI Practical	3rd	Practical check with viva
14-Jan-18	14	Sunday			
					SUNDAY
15-Jan-18	15	Monday	B.SCIII		Vector atom model, space quantisation and electron spin
			B.SCI Practical	1st	photocell
16-Jan-18	16	Tuesday	B.SC III		Coupling of orbital and spin angular momentum
			B.SCI Practical	1st	photocell
17-Jan-18	17	Wednesday	B.SC III		Spectroscopic terms and their notation
			B.SC I Practical	2nd	photocell
18-Jan-18	18	Thursday	B.SC I		Solid cylinder, hollow cylinder and solid bar of rectangular cross-section
			B.SCI Practical	2nd	Photocell
19-Jan-18	19	Friday	B.SC I		flywheel
			B.SC I Practical	3rd	photocell
20-Jan-18	20	Saturday	B.SC I		Moment of inertia of an irregular body
			B.SCI Practical	3rd	Photocell
21-Jan-18	21	Sunday			
					SUNDAY

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	22-Jan-18	22	Monday			
						VASANT PANCHAMI
	23-Jan-18	23	Tuesday	B.SCIII		Quantum numbers associated with vector atom model
				B.SCI Practical	1st	photocell
	24-Jan-18	24	Wednesday	B.SC III		Transition probability and selection rules
				B.SCI Practical	2nd	Photocell
	25-Jan-18	25	Thursday	B.SC I		Acceleration of a body rolling down on an inclined plane
				B.SCI Practical	2nd	Practical check with viva
	26-Jan-18	26	Friday			
						REPUBLIC DAY
	27-Jan-18	27	Saturday	B.SC I		Test-1
				B.SCI Practical	3rd	Photocell
	28-Jan-18	28	Sunday			
						SUNDAY
	29-Jan-18/ Unit-2	29	Monday	B.SC III		Class discussion on unit-1
				B.SCI Practical	1st	Practical check with viva
	30-Jan-18	30	Tuseday	B.SC III		Class test-1
				B.SCI Practical	1st	Solarcell
	31-Jan-18	31	Wednesday	B.SC III		Discussion on test
				B.SC I Practical	2nd	Solarcell

Class and Section B.SC 1ST and 3rd year

Paper:1(properties of matter and kinetic theory of gases) and paper:2(Atomic and molecular spectroscopy)

Week	Date/Unit	Day	Week	Class	P Group	Topic
	01-Feb-18/ Unit-2	1	Thursday	B.SC I		Elasticity, stress and strain, Hooke's law
				B.SCI Practical	2nd	solarcell
	02-Feb-18	2	Friday	B.SC I		Elastic constants and their relations
				B.SCI Practical	3rd	Practical check with viva
	03-Feb-18	3	Saturday	B.SC I		Poisson's ratio,torsion of cylinder and twisting couple
				B.SC I Practical	3rd	Solarcell
1	04-Feb-18	4	Sunday			SUNDAY
	05-Feb-18	5	Monday	B.SC III		Orbital, magnetic dipole moment, behaviour of magnetic dipole in external, magnetic; Larmor's precession and theorem
				B.SC I Practical	1st	solarcell
	06-Feb-18	6	Tuseday	B.SC III		Penetrating and non-penetrating orbits on the classical model, hydrogen fine spectra
				B.SC I Practical	1st	solarcell
	07-Feb-18	7	Wednesday	B.SC III		Main features of alkali spectra and their theoretical interpretation term series and limits
				B.SC I Practical	2nd	Solarcell
2	08-Feb-18	8	Thursday	B.SC I		Determination of co-efficient of rigidity for the material of a wire by Maxwell's needle
				B.SC I Practical	2nd	Practical check with viva
	09-Feb-18	9	Friday	B.SC I		Bending of beam (moment and its magnitude)
				B.SC I Practical	3rd	Solarcell
	10-Feb-18	10	Saturday			
						MAHARSHI DAYANAND SHARSWATI JAYANTI
	11-Feb-18	11	Sunday			
						SUNDAY
	12-Feb-18	12	Monday	B.SC III		Rydeburg-Ritze combination principle, absorption spectra of alkali atoms
				B.SC I	1st	Practical check with viva

				Practical		
	13-Feb-18	13	Tuseday			
						MAHA SHIV RATARI
	14-Feb-18	14	Wednesday	B.SC III		Observed doublet fine structure in the spectra of alkali metals and its interpertation
				B.SC I Practical	2nd	Jeager's method
3	15-Feb-18	15	Thursday	B.SC I		Cantilevers, centrally loaded beam
				B.SC I Practical	2nd	Jeager's method
	16-Feb-18	16	Friday	B.SC I		Determination of young's modulus for the material of the beam
				B.SC I Practical	3rd	Jeager's method
	17-Feb-18	17	Saturday	B.SC I		Elastic constants for the material of wire by Searl's method
				B.SC I Practical	3rd	Jeager's method
	18-Feb-18	18	Sunday			
						SUNDAY
	19-Feb-18	19	Monday	B.SC III		Intensity rules for doublet
				B.SC I Practical	1st	Jeager's method
	20-Feb-18	20	Tuseday	B.SC III		Comparison of alkali spectra and hydrogen spectra
				B.SC I Practical	1st	Practical check with viva
	21-Feb-18	21	Wednesday	B.SC III		Class discussion
				B.SC I Practical	2nd	Jeager's method
4	22-Feb-18	22	Thursday	B.SC I		Class discussion
				B.SC I Practical	2nd	Practical check with viva
	23-Feb-18	23	Friday	B.SC I		Assignment-I
				B.SC I Practical	3rd	Jeager's method
	24-Feb-18	24	Saturday	B.SC I		Assignment viva
				B.SC I Practical	3rd	Practical check with viva
	25-Feb-18	25	Sunday			
						SUNDAY

	26-Feb-18	26	Monday	B.SC III		Assignment-I
				B.SC I Practical	1st	Practical check with viva
	27-Feb-18	27	Tuseday	B.SC III		Assignment viva
				B.SC I Practical	1st	Torison pendulum
	28-Feb-18	28	Wednesday	B.SC III		Discussion on assignment topics
				B.SC I Practical	2nd	Torsion pendulum

Class and Section B.SC 1ST and 3rd year

Paper:1(properties of matter and kinetic theory of gases) and paper:2(Atomic and molecular spectroscopy)

1	01-Mar-18	1	Thursday			
						GURU RAVIDAS BIRTHDAY
	02-Mar-18	2	Friday			
						HOLI
	03-Mar-18/ Unit-3	3	Saturday			
						K.U.K HOLIDAY
					3rd	
	04-Mar-18	4	Sunday			
						SUNDAY
	05-Mar-18/ Unit-3	5	Monday	B.SC III		Essential features of spectra of alkaline earth elements vectors model for two valance electron atom: application of spectra
				B.SCI Practical	1st	Torrison pendulum

	06-Mar-18	6	Tuesday	B.SC III		Coupling schemes jj and ll coupling
				B.SC I Practical	1st	Torrison pendulum
	07-Mar-18	7	Wednesday	B.SC III		Interaction energy in L-S coupling, lande interval scheme
				B.SCI Practical	2nd	Torsion pendulum
	08-Mar-18	8	Thursday	B.SC I		Assumptions of kinetic theory of gases
				B.SCI Practical	2nd	Practical check with viva
	09-Mar-18	9	Friday	B.SC I		Pressure of an ideal gas, kinetic interpertation of temperature
				B.SC I Practical	3rd	Torsion pendulum
	10-Mar-18	10	Saturday	B.SC I		Ideal gas of equation, degree of freedom
				B.SCI Practical	3rd	Practical check with viva
	11-Mar-18	11	Sunday			
						SUNDAY
2	12-Mar-18	12	Monday	B.SC III		Interaction energy in JJ coupling
				B.SCI Practical	1st	Maxwell needle
	13-Mar-18	13	Tuseday	B.SC III		Equivalent and non equivalent electrons
				B.SCI Practical	1st	Maxwell needle
	14-Mar-18	14	Wednesday	B.SC III		Two valence electrons spectra
				B.SCI Practical	2nd	Maxwell needle
	15-Mar-18	15	Thursday	B.SC I		Law of equipartition energy and its application for specific heat of gases
				B.SCI Practical	2nd	Maxwell needle
	16-Mar-18	16	Friday	B.SC I		Real gas
3				B.SC I Practical	3rd	Maxwell needle
	17-Mar-18	17	Saturday	B.SC I		Vender's wall equation
				B.SCI Practical	3rd	Maxwell needle
	18-Mar-18	18	Sunday			

						SUNDAY
	19-Mar-18	19	Monday	B.SC III		Comparison of spectral terms in L-S, J-J coupling
				B.SCI Practical	1st	Maxwell needle
	20-Mar-18	20	Tuseday	B.SC III		Hyperfine structure of spectral lines and its origin
				B.SC I Practical	1st	Maxwell needle
	21-Mar-18	21	Wednesday	B.SC III		Isotope effect, nuclear spin
				B.SCI Practical	2nd	Maxwell needle
	22-Mar-18	22	Thursday	B.SC I		Brownian motion
				B.SCI Practical	2nd	Maxwell needle
	23-Mar-18	23	Friday			
	24-Mar-18	24	Saturday	B.SC I		Class discussion
				B.SCI Practical	3rd	Maxwell needle
4	25-Mar-18	25	Sunday			
						SUNDAY
	26-Mar-18	26	Monday	B.SC III		Discussions on coupling schemes
				B.SCI Practical	1st	PRACTICAL check with viva
	27-Mar-18	27	Tuseday	B.SC III		Blackboard test
				B.SC I Practical	1st	Impendence LCR circuit
	28-Mar-18	28	Wednesday	B.SC III		Blackboard test
				B.SC I Practical	2nd	Impendence LCR circuit
	29-Mar-18	29	Thursday			
						MAHAVIR JAYANTI
	30-Mar-18	30	Friday	B.SC I		Assignment-II
				B.SC I Practical	3rd	Impendence LCR circuit

	31-Mar-18	31	Saturday	B.SC I		Assignment viva
				B.SC I Practical	3rd	Impendence LCR circuit

Class and Section B.SC 1ST and 3rd year

Paper:1(properties of matter and kinetic theory of gases) and paper:2(Atomic and molecular spectroscopy)

1	01-Apr-18	1	Sunday			
						SUNDAY
	02-Apr-18/ UNIT-4	2	Monday	B.SC III		Zeeman effect, experimental setup for studying Zeeman effect
				B.SC I Practical	1st	Practical check with viva
	03-Apr-18	3	Tuseday	B.SC III		Explanation of normal Zeeman effect,explanantion of analogous zeeman effect
				B.SC I Practical	1st	Revision for final practical
	04-Apr-18	4	Wednesday	B.SC III		Zeema pattern of D1 and D2 lines of Na- atom
				B.SC I Practical	2nd	Practical check with viva
	05-Apr-18	5	Thursday	B.SC I		Maxwell distribution of speed and velocity
				B.SC I Practical	2nd	Revision for final practical
	06-Apr-18	6	Friday	B.SC I		Experimental verification of Maxwell's law of speed distribution
				B.SCI Practical	3rd	Practical check with viva
	07-Apr-18	7	Saturday	B.SC I		Most probable speed, average, r.m.s speed, mean free path
				B.SCI Practical	3rd	Revision for final practical
2	08-Apr-18	8	Sunday			
						SUNDAY

	09-Apr-18	9	Monday	B.SCIII		Paschen back effect of a single valence electron system
				B.SCI Practical	1st	Revision for final practical
	10-Apr-18	10	Tuseday	B.SCIII		Stark effect of a hydrogen atom
				B.SCI Practical	1st	Revision for final practical
	11-Apr-18	11	Wednesday	B.SC III		General considerations, electronic states of diatomic molecules
				B.SCI Practical	2nd	Practical revision
	12-Apr-18	12	Thursday	B.SC I		Transport of energy
				B.SC I Practical	2nd	Practical revision
	13-Apr-18	13	Friday	B.SC I		Momentum transfer and diffusion of gases
				B.SCI Practical	3rd	Practical revision
	14-Apr-18	14	Saturday			
						DR AMBEDKAR JAYANTI/VAISHAKHI
	15-Apr-18	15	Sunday			
						SUNDAY
	16-Apr-18	16	Monday	B.SC III		Rotational spectra, vibrational spectra
				B.SC I Practical	1st	Practical revision
	17-Apr-18	17	Tuseday	B.SC III		Rotator model of di-atomic molecule
				B.SCI Practical	1st	Practical revision
3	18-Apr-18	18	Wednesday			
						PARSHURAM JAYANTI
	19-Apr-18	19	Thursday	B.SCI		Class discussion
				B.SCI Practical	2nd	Practical revision
	20-Apr-18	20	Friday	B.SCI		Assignment-II
				B.SCI Practical	3rd	Revision

	21-Apr-18	21	Saturday	B.SC I		Assignment viva
				B.SCI Practical	3rd	Revision
4	22-Apr-18	22	Sunday			
						SUNDAY
	23-Apr-18	23	Monday	B.SC III		Raman effect and electronic spectra
				B.SCI Practical	1st	Revision
	24-Apr-18	24	Tuesday	B.SC III		Revision unit -2 and unit-4
				B.SCI Practical	1st	Revision
	25-Apr-18	25	Wednesday	B.SC III		Black-board test
				B.SC I Practical	2nd	Revision
	26-Apr-18	26	Thursday	B.SC I		Revision
				B.SCI Practical	2nd	Revision
	27-Apr-18	27	Friday	B.SC I		Class discussion
				B.SCI Practical	3rd	Revision
	28-Apr-18	28	Saturday	B.SC I		Test on unit-2 and unit-4
				B.SCI Practical	3rd	Revision

Name of the Assistant / Professor Jasreen kaur

Class and Section B.SC 1ST and 2nd year

Paper:2(Semiconductor devices) and paper:1(Statsicial physics)

Week	Date/Unit	Day	Week	Class	P Group	Topic
1	01-Jan-18	1	Monday	B.SCI		Energy bands in solids ,intrinsic and extrinsic semiconductors
				B.SCII Practical	1st	Wavelength by newton's rings
	02-Jan-18	2	Tuesday	B.SC I		Carrier mobility and electrical resistivity of semiconductors
				B.SC II Practical	1st	Wavelength by newton's rings
	03-Jan-18	3	Wednesday	B.SC I		Hall effect pn-junction and their characteristics
				B.SC II Practical	2nd	Wavelength by newton's rings
	04-Jan-18	4	Thursday	B.SC II		Microscopic and macroscopic systems, events-mutually exclusive
				B.SC II Practical	2nd	Wavelength by newton's rings
	05-Jan-18	5	Friday			
						GURU GOBIND SINGH BIRTHDAY
					3rd	
	06-Jan-18	6	Saturday	B.SC II		Dependent and independentprobability,statsicial probability
				B.SC II practical	3rd	Wavelength by newton's rings
	07-Jan-18	7	Sunday			
2	08-Jan-18	8	Monday	B.SC I		Zener and avalanche breakdown
				B.SC IIPractical	1st	Wavelength by newton's rings
	09-Jan-18	9	Tuesday	B.SC I		Zener diode, light emitting diode
				B.SC II practical	1st	Practical check with viva

	10-Jan-18	10	Wednesday	B.SCI		Photoconduction in semiconductors and photodiode
				B.SC II Practical	2nd	Wavelength by newton's rings
	11-Jan-18	11	Thursday	B.SC II		Some probability considerations, combinations possessing maximum probability and combination possessing minimum probability
				B.SCII Practical	2nd	Practical check with viva
	12-Jan-18	12	Friday	B.SC II		Tossing of 2,3 and any numbers of coins, permutation and combination
				B.SCII Practical	3rd	Wavelength by newton's rings
	13-Jan-18	13	Saturday	B.SCII		Distribution of N (For N =2,3,4) distinguishable and indistinguishable particles in two boxes of equal size
				B.SC II Practical	3rd	Practical check with viva
	14-Jan-18	14	Sunday			
						SUNDAY
3	15-Jan-18	15	Monday	B.SCI		Solar cell-pn junction as a rectifier
				B.SCII Practical	1st	Resolving power of a telescope
	16-Jan-18	16	Tuesday	B.SC I		Half wave and full wave rectifier
				B.SCII Practical	1st	Resolving power of a telescope
	17-Jan-18	17	Wednesday	B.SC I		Filters (series inductor, shunt capacitance)
				B.SC II Practical	2nd	Resolving power of a telescope
	18-Jan-18	18	Thursday	B.SC II		Micro and macro states, thermodynamic probability
				B.SCII Practical	2nd	Resolving power of a telescope
	19-Jan-18	19	Friday	B.SC II		Constraints and accessible states , statistical fluctuations
				B.SC II Practical	3rd	Resolving power of a telescope
	20-Jan-18	20	Saturday	B.SC II		General distribution of distinguishable particles in compartment of different sizes
				B.SC II Practical	3rd	Resolving power of a telescope
	21-Jan-18	21	Sunday			
						SUNDAY
	22-Jan-18	22	Monday			

						VASANT PANCHAMI
	23-Jan-18	23	Tuesday	B.SC I		Filters (L- section or choke or pie)
				B.SC II Practical	1st	Resolving power of a telescope
	24-Jan-18	24	Wednesday	B.SC I		R-C filter circuits
				B.SCII Practical	2nd	Resolving power of a telescope
	25-Jan-18	25	Thursday	B.SC II		Condition of equilibrium between two systems in thermal contact – beta parameter
				B.SCII Practical	2nd	Practical check with viva
	26-Jan-18	26	Friday			
						REPUBLIC DAY
	27-Jan-18	27	Saturday	B.SC II		Entropy and probability (Boltzmann's relation)
				B.SCII Practical	3rd	Resolving power of a telescope
	28-Jan-18	28	Sunday			
						SUNDAY
	29-Jan-18/ Unit-2	29	Monday	B.SC I		Class discussion on unit-1
				B.SCII Practical	1st	Practical check with viva
	30-Jan-18	30	Tuseday	B.SC I		Class test-1
				B.SCII Practical	1st	Comparison of illumating power by a photometer
	31-Jan-18	31	Wednesday	B.SC I		Discussion on test
				B.SC II Practical	2nd	Comparison of illlumating power by a photometer

Class and Section B.SC 1ST and 2nd year

Paper:2(Semiconductor devices) and paper:1(Statistical physics)

Week	Date/Unit	Day	Week	Class	P Group	Topic
	01-Feb-18/	1	Thursday	B.SC II		Assignment-I

	Unit-2			B.SCII Practical	2nd	Comparison of illumating power by a photometer
	02-Feb-18	2	Friday	B.SC II		Postulates of statistical physics, phase space
				B.SC II Practical	3rd	Practical check with viva
	03-Feb-18	3	Saturday	B.SC II		Divisions of phase space into cells, three kinds of statistics
				B.SCII Practical	3rd	Comparison of illumating power by a photometer
1	04-Feb-18	4	Sunday			SUNDAY
	05-Feb-18	5	Monday	B.SC I		Junction transistors, working of npn and pnp transistors
				B.SC II Practical	1st	Comparison of illumating power by a photometer
	06-Feb-18	6	Tuseday	B.SC I		Three confrigation of transistor (C-B, C-E, C-C MODES)
				B.SCII Practical	1st	Comparision of illumating powers by a photometer
	07-Feb-18	7	Wednesday	B.SC I		Common base, common collector, common emitter transistors characteristics
				B.SC II Practical	2nd	Comparision of illumating powers by a photometer
	08-Feb-18	8	Thursday	B.SC II		M.B statistics applied to ideal gas in equilibrium- energy distribution law
				B.SCII Practical	2nd	Practical check with viva
	09-Feb-18	9	Friday	B.SC II		Speed distribution law and velocity distribution law
				B.SCII Practical	3rd	Comparision of illumating power by a photometer
	10-Feb-18	10	Saturday			
						MAHARSHI DAYANAND SHARSWATI JAYANTI
2	11-Feb-18	11	Sunday			
						SUNDAY
	12-Feb-18	12	Monday	B.SC I		Constants of transistors and their realtion
				B.SC II Practical	1st	Practical check with viva
	13-Feb-18	13	Tuseday			
						MAHA SHIV RATARI

	14-Feb-18	14	Wednesday	B.SC I		Advantages of C-E configuration and D.C load line
				B.SCII Practical	2nd	Study of Hartley oscillator
3	15-Feb-18	15	Thursday	B.SC II		Expression for r.m.s and average speed
				B.SCII Practical	2nd	Study of Hartley oscillator
	16-Feb-18	16	Friday	B.SC II		Expression for average, r.m.s velocity
				B.SCII Practical	3rd	Study of Hartley oscillator
	17-Feb-18	17	Saturday	B.SC II		Class discussion
				B.SCII Practical	3rd	Study of Hartley oscillator
	18-Feb-18	18	Sunday			
						SUNDAY
	19-Feb-18	19	Monday	B.SC I		Transistor biasing
				B.SCII Practical	1st	Study of Hartley oscillator
	20-Feb-18	20	Tuesday	B.SC I		Various methods of transistor biasing
				B.SCII Practical	1st	Practical check with viva
	21-Feb-18	21	Wednesday	B.SC I		Various method of transistor stabilization
				B.SCII Practical	2nd	Study of Hartley oscillator
4	22-Feb-18	22	Thursday	B.SC II		Most probable energy and mean energy for Maxwell distribution
				B.SCII Practical	2nd	Practical check with viva
	23-Feb-18	23	Friday	B.SC II		Discussion on unit-2
				B.SCII Practical	3rd	Study of Hartley oscillator
	24-Feb-18	24	Saturday	B.SC II		Class test-I
				B.SCII Practical	3rd	Practical check with viva
	25-Feb-18	25	Sunday			
						SUNDAY
	26-Feb-18	26	Monday	B.SC I		Assignment-I
				B.SC II Practical	1st	Practical check with viva

	27-Feb-18	27	Tuesday	B.SC I		Assignment viva
				B.SC II Practical	1st	To study ripple factor in a d.c power supply
	28-Feb-18	28	Wednesday	B.SC I		Discussion on assignment topics
				B.SC II Practical	2nd	To Study ripple factor in a d.c power supply

Class and Section B.SC 1ST and 2nd year

Paper:2(Semiconductor devices) and paper:1(Statistical physics)

1	01-Mar-18	1	Thursday			
						GURU RAVIDAS BIRTHDAY
	02-Mar-18	2	Friday			
						HOLI
	03-Mar-18/ Unit-3	3	Saturday			
						K.U.K HOLIDAY
					3rd	
	04-Mar-18	4	Sunday			
						SUNDAY
	05-Mar-18/ Unit-3	5	Monday	B.SC I		Amplifiers, classification of amplifiers
				B.SCII Practical	1st	To Study ripple factor in a d.c power supply
	06-Mar-18	6	Tuesday	B.SC I		Common base and common emitter amplifiers
				B.SC II Practical	1st	Study ripple factor in a d.c power supply
	07-Mar-18	7	Wednesday	B.SC I		Coupling in amplifiers and method of coupling

				B.SCII Practical	2nd	Study ripple factor in a dc power supply
2	08-Mar-18	8	Thursday	B.SC II		Need for quantum statistics : Bose- Einstein distribution law
				B.SCII Practical	2nd	Practical check with viva
	09-Mar-18	9	Friday	B.SC II		Application of B.E statistics Planck's radiation law B.E gas, degeneracy and B.E condensation
				B.SCII Practical	3rd	Study the ripple factor in a d.c power supply
	10-Mar-18	10	Saturday	B.SC II		Fermi-Dirac energy distribution law, F.D gas and degeneracy
				B.SC II Practical	3rd	Practical check with viva
	11-Mar-18	11	Sunday			
						SUNDAY
	12-Mar-18	12	Monday	B.SC I		Resistance capacitance coupled ampilfier
				B.SCII Practical	1st	Study of series and parallel resonant circuits
	13-Mar-18	13	Tuseday	B.SC I		Two stage, concept of band width
				B.SC II Practical	1st	Study of series and parallel resonant circuits
	14-Mar-18	14	Wednesday	B.SC I		Feedback in amplifiers
				B.SC II Practical	2nd	Study of series and parallel resonant circuits
3	15-Mar-18	15	Thursday	B.SC II		Fermi energy, fermi temperature, fermi Dirac energy distribution law
				B.SC II Practical	2nd	Study of series and parallel resonant circuits
	16-Mar-18	16	Friday	B.SC II		Fermi Dirac gas degeneracy, fermi Dirac energy distribution law for electron gas in metals
				B.SC II Practical	3rd	Study of series and parallel resonant circuits
	17-Mar-18	17	Saturday	B.SC II		Zero point energy, zero point pressure and average speed of electron gas
				B.SC II Practical	3rd	Study of series and parallel resonant circuits
	18-Mar-18	18	Sunday			
						SUNDAY
	19-Mar-18	19	Monday	B.SC I		Advantages of negative feedback

				B.SC II Practical	1st	Study of series and parallel resonant circuits
	20-Mar-18	20	Tuseday	B.SC I		Emitter follower
				B.SC II Practical	1st	Study of series and parallel resonant circuits
	21-Mar-18	21	Wednesday	B.SC I		Distortion in amplifiers
				B.SCII Practical	2nd	Study of series and parallel resonant circuits
	22-Mar-18	22	Thursday	B.SC II		Specific heat anomaly of metals and its solution
				B.SC II Practical	2nd	Study of series and parallel resonant circuits
	23-Mar-18	23	Friday			
	24-Mar-18	24	Saturday	B.SC II		M.B distribution as a limiting case of B.E and F.D distributions
				B.SC II Practical	3rd	Study of series and parallel resonant circuits
4	25-Mar-18	25	Sunday			
						SUNDAY
	26-Mar-18	26	Monday	B.SC I		Discussions on transistors amplifiers
				B.SCII Practical	1st	PRACTICAL check with viva
	27-Mar-18	27	Tuseday	B.SC I		Blackboard test
				B.SC II Practical	1st	Study of doubler and Tripler circuits
	28-Mar-18	28	Wednesday	B.SC I		Blackboard test
				B.SCII Practical	2nd	Study of doubler and Tripler circuits
	29-Mar-18	29	Thursday			
						MAHAVIR JAYANTI
	30-Mar-18	30	Friday	B.SC II		Comparisons of three statistics
				B.SCII Practical	3rd	Study of doubler and Tripler circuits
	31-Mar-18	31	Saturday	B.SC II		Assignment-II
				B.SCII Practical	3rd	Study of doubler and Tripler circuits

Class and Section B.SC 1ST and 2nd year

Paper:2(Semiconductor devices) and paper:1(Statistical physics)

1	01-Apr-18	1	Sunday			
						SUNDAY
	02-Apr-18/ UNIT-4	2	Monday	B.SCI		Oscillators, principle of oscillation
				B.SC II Practical	1st	Practical check with viva
	03-Apr-18	3	Tuseday	B.SCI		Classification of oscillators
				B.SC II Practical	1st	Revision for final practical
	04-Apr-18	4	Wednesday	B.SCI		Condition for self-sustained oscillation
				B.SCII Practical	2nd	Practical check with viva
	05-Apr-18	5	Thursday	B.SC III		Dulong and petit law and derivation of Dulong
				B.SCII Practical	2nd	Revision for final practical
	06-Apr-18	6	Friday	B.SC II		Petit law from classical physics
				B.SC II Practical	3rd	Practical check with viva
	07-Apr-18	7	Saturday	B.SC II		Specific heat at low temperature
				B.SC II Practical	3rd	Revision for final practical
2	08-Apr-18	8	Sunday			
						SUNDAY
	09-Apr-18	9	Monday	B.SCI		Barkhausen criterion for oscillation
				B.SC II Practical	1st	Revision for final practical
	10-Apr-18	10	Tuseday	B.SCI		Tuned collector common emitter oscillator
				B.SCII Practical	1st	Revision for final practical
	11-Apr-18	11	Wednesday	B.SC I		Hartley oscillator

				B.SCII Practical	2nd	Practical revision
	12-Apr-18	12	Thursday	B.SC II		Einstein theory of specific heat
				B.SCII Practical	2nd	Practical revision
	13-Apr-18	13	Friday	B.SC II		Criticism of Einstein theory
				B.SC II Practical	3rd	Practical revision
	14-Apr-18	14	Saturday			
						DR AMBEDKAR JAYANTI/VAISHAKHI
	15-Apr-18	15	Sunday			
						SUNDAY
	16-Apr-18	16	Monday	B.SC I		CRO (principle and working)
				B.SC II Practical	1st	Practical revision
	17-Apr-18	17	Tuseday	B.SC I		Class discussion
				B.SCII Practical	1st	Practical revision
	18-Apr-18	18	Wednesday			
3						PARSHURAM JAYANTI

	19-Apr-18	19	Thursday	B.SCII		Debye model of specific heat of solids
				B.SCII Practical	2nd	Practical revision
	20-Apr-18	20	Friday	B.SC II		Success and shortcomings of Debye theory
				B.SC II Practical	3rd	Revision
	21-Apr-18	21	Saturday	B.SC II		Comparision of Einstein and Debye theories
				B.SC II Practical	3rd	Revision
	22-Apr-18	22	Sunday			
						SUNDAY
4						
	23-Apr-18	23	Monday	B.SC I		Class test

				B.SCII Practical	1st	Revision
	24-Apr-18	24	Tuesday	B.SC I		Revision unit -2 and unit-3
				B.SCII Practical	1st	Revision
	25-Apr-18	25	Wednesday	B.SC I		Black-board test
				B.SC II Practical	2nd	Revision
	26-Apr-18	26	Thursday	B.SC II		Revision
				B.SC II Practical	2nd	Revision
	27-Apr-18	27	Friday	B.SC II		Class discussion
				B.SC II Practical	3rd	Revision
	28-Apr-18	28	Saturday	B.SC II		Test on unit-1 and unit-4
				B.SC II Practical	3rd	Revision

Name of the Assistant / Professor Preeti Gujral

Class and Section B.Sc4th sem and 6th sem

Paper:2(wave and optics 2) and paper:1(Solid state and Nano physics)

Week	Date/Unit	Day	Week	Class	P Group	Topic
1	01-Jan-18	1	Monday	B.SCII		Polarisation: polarization by reflection, refraction
				B.SC II		Polarisation by scattering
				B.SC III Practical	1st	To study B-H curve using oscilloscope
	02-Jan-18	2	Tuseday	B.SC II		Malus law
				B.SC II		Phenomenon of double refraction
				B.SC III Practical	1 st	To study B-H curve using oscilloscope
	03-Jan-18	3	Wednesday	B.SC II		Huygen'swave theory of double refraction
				B.SC II		Analysis of polarized light
				B.SC III Practical	2nd	To study B-H curve using oscilloscope
	04-Jan-18	4	Thursday	B.SC III		Crystalline and glassy forms
				B.Sc III		Liquid crystals
				B.Sc III Practical	2nd	To study B-H curve using oscilloscope
	05-Jan-18	5	Friday	B.SC III		
				B.SC III		GURU GOBIND SINGH BIRTHDAY
				B.SC III Practical	3rd	
	06-Jan-18	6	Saturday	B.SC III		Crystals transational vectors
				B.SC III		Crystals transational axes
				B.SC III practical	3rd	To study B-H curve using oscilloscope
	07-Jan-18	7	Sunday			
2	08-Jan-18	8	Monday	B.SC II		Nicol prism

				B.SC II		quarter wave plate,half wave plate
				B.SC IIIPractical	1st	To study B-H curve using oscilloscope
	09-Jan-18	9	Tuseday	B.SC II		Production of plane polarised light
				B.SC II		Detection of plane polarized light
				B.SC III practical	1st	Practical check with viva
	10-Jan-18	10	Wednesday	B.SCII		Production of circulary polarized light
				B.SC II		Detection of circulary polarized light
				B.SC III Practical	2nd	To study B-H curve using oscilloscope
	11-Jan-18	11	Thursday	B.SC III		Unit cell
				B.SC III		Primitive cell
				B.SC III Practical	2nd	Practical check with viva
	12-Jan-18	12	Friday	B.SC III		Winger Seitz primitive cell
				B.SC III		Symmetry operations for two dimensional crystal
				B.SC III Practical	3rd	To study B-H curve using oscilloscope
	13-Jan-18	13	Saturday	B.SC III		Baravis lattice in 2-D
				B.SC III		Baravis lattice in 3-D
				B.SC III Practical	3rd	Practical check with viva
	14-Jan-18	14	Sunday			
						SUNDAY
3	15-Jan-18	15	Monday	B.SC II		Production of elliptically polarised light
				B.SC II		Detection of elliptically polarised light
				B.SC III Practical	1st	Determine e/m by Thomson's method
	16-Jan-18	16	Tuseday	B.SC II		Optical activity
				B.SC II		Feresnal's theory of optical rotation
				B.SC III Practical	1st	Determine e/m by Thomson's method
	17-Jan-18	17	Wednesday	B.SC II		Half shade and biquartz
				B.SC II		Specific rotation,polarimeters
				B.SC III Practical	2nd	Determine e/m by Thomson's method

	18-Jan-18	18	Thursday	B.SC III		Crystal planes
				B.SC III		Miller indices
				B.SC III Practical	2nd	Determine e/m by Thomson's method
	19-Jan-18	19	Friday	B.SC III		Interplanar spacing
				B.SC III		Interplanar spacing
				B.SC III Practical	3rd	Determine e/m by Thomson's method
	20-Jan-18	20	Saturday	B.SC III		Crystal sturuture
				B.SC III		Crystal sturuture of zinc sulphide
				B.SC III Practical	3rd	Determine e/m by Thomson's METHOD
	21-Jan-18	21	Sunday			
						SUNDAY
	22-Jan-18	22	Monday			
						VASANT PANCHAMI
	23-Jan-18	23	Tuseday	B.SC II		Discussion on unit-1
				B.SC II		Discussion on unit -1
				B.SC III Practical	1st	Determine e/m by Thomson's method
4	24-Jan-18	24	Wednesday	B.SC II		Unit-1 test
				B.SC II		Unit-1 test
				B.SC III Practical	2nd	Determine e/m by Thomson's method
	25-Jan-18	25	Thursday	B.SC III		Normal incidence
				B.SC III		Oblique incidence
				B.SC III Practical	2nd	Practical check with viva
	26-Jan-18	26	Friday			
						REPUBLIC DAY
	27-Jan-18	27	Saturday	B.SC III		Crystal structure of nacl
				B.SC III		Crystals sturuture of diamond
				B.SC III Practical	3rd	Determine e/m by Thomson's method
	28-Jan-18	28	Sunday			
						SUNDAY

	29-Jan-18/ Unit-2	29	Monday	B.SC II		Fourier theorem
				B.SC II		Fourier analysis
				B.SC III Practical	1st	Practical check with viva
	30-Jan-18	30	Tuseday	B.SC III		Evaluation of fourier coefficient
				B.SC III		Importance and limitation of fourier theorem
				B.SC III Practical	1st	Determine the velocity of ultrasonic in the kerosene oil
	31-Jan-18	31	Wednesday	B.SC II		Fourier even functions
				B.SC II		Fourier odd functions
				B.SC III Practical	2nd	Determine the velocity of ultrasonic in the kerosene oil

Class and Section B.Sc 4th sem and 6th sem

Paper:2(wave and optics 2) and paper:1(solid state and nano physics)

Week	Date/Unit	Day	Week	Class	P Group	Topic
	01-Feb-18/ Unit-2	1	Thursday	B.SC III		Discussion on unit-1
				B.SCIII		Test of unit-1
				B.SC III Practical	2nd	Determine the velocity of ultrasonic waves in the kerosene oil
	02-Feb-18	2	Friday	B.SC III		x-ray diffraction
				B.SC III		Braggs law
				B.SC III Practical	3rd	Practical check with viva
	03-Feb-18	3	Saturday	B.SC III		Diffraction various methods
				B.SC III		Experimental diffraction of x-ray
				B.SC III Practical	3rd	Determine the velocity of ultrasonic in the kerosene oil
1	04-Feb-18	4	Sunday			SUNDAY
	05-Feb-18	5	Monday	B.SC III		Fourier series of functions between 0 to 2pi
				B.SC III		

				B.SC III Practical	1st	Determine the velocity of ultrasonic in the kerosene oil
	06-Feb-18	6	Tuseday			
				B.SC II		Fourier series of function between -pi to pi
				B.SC III Practical	1st	Determine the velocity of ultrasonic waves
	07-Feb-18	7	Wednesday	B.SC II		Fourier series of function between o to pi
				B.SC II		-l to l
				B.SCIII Practical	2nd	Determine the velocity of ultrasonic waves in kerosene oil
	08-Feb-18	8	Thursday	B.SC III		K-space
				B.SC III		K-SPACE physical significance
				B.SC III Practical	2nd	Practical check with viva
	09-Feb-18	9	Friday	B.SC III		Reciprocal lattice
				B.SC III		Reciprocal lattice physical significance
				B.SC III Practical	3rd	Determine the velocity of ultrasonic in kerosene oil
	10-Feb-18	10	Saturday			
						MAHARSHI DAYANAND SHARSWATI JAYANTI
2	11-Feb-18	11	Sunday			
						SUNDAY
	12-Feb-18	12	Monday	B.SC II		Complex form series
				B.SC II		
				B.SC III Practical	1st	Practical check with viva
	13-Feb-18	13	Tuseday			
						MAHA SHIV RATARI
	14-Feb-18	14	Wednesday	B.SC II		Application of fourier theorem
				B.SC II		Soloution of triangular waves
				B.SC III Practical	2nd	Study the CB transistor amplifier
	15-Feb-18	15	Thursday	B.SC III		Reciprocal lattice to a simple cubic lattice
				B.SC III		
				B.SC III Practical	2nd	Study the CB transistors amplifier
	16-Feb-18	16	Friday	B.SC III		Reciprocal lattice to a b.c.c

				B.SC III		
				B.SCIII Practical	3rd	Study the CB Transistor amplifier
3	17-Feb-18	17	Saturday	B.SC III		Reciprocal lattice to f.c.c
				B.SC III Practical	3rd	Study the CB transistor amplifier
	18-Feb-18	18	Sunday			
						SUNDAY
	19-Feb-18	19	Monday	B.SC II		Half wave rectifier
				B.SC II		
				B.SC III Practical	1st	Study the CB transistor amplifier
	20-Feb-18	20	Tuseday	B.SC III		Full wave rectifier
				B.SC II		
				B.SC III Practical	1st	Practical check with viva
	21-Feb-18	21	Wednesday	B.SC II		Parevels identity for fourier series
				B.SC II		
				B.SC III Practical	2nd	Study the CB Transistor amplifier
	22-Feb-18	22	Thursday	B.SC III		Discussion on unit-2
				B.SC III		
				B.SC III Practical	2nd	Practical check with viva
	23-Feb-18	23	Friday	B.SC III		Assignment submission on unit-2
				B.SC III		
				B.SC III Practical	3rd	Study the CB transistor amplifier
4	24-Feb-18	24	Saturday	B.SC III		Viva on assignment
				B.SC III		
				B.SC III Practical	3rd	Practical check with viva
	25-Feb-18	25	Sunday			
						SUNDAY
	26-Feb-18	26	Monday	B.SC II		Fourier integrals
				B.SC III		
				B.SC III Practical	1st	Practical check with viva

	27-Feb-18	27	Tuseday	B.SC II		Discussion on unit-2
				B.SC II		
				B.SC III Practical	1st	Study the CE transistor amplifier
	28-Feb-18	28	Wednesday	B.SC II		Assignment submission on unit-2
				B.SC II		
				B.SC III Practical	2nd	Study the CE transistor amplifier

Class and Section B.Sc 4th sem and 6th sem

Paper:2(wave and optics 2) and paper:1(solid state and nano physics)

1	01-Mar-18	1	Thursday			
						GURU RAVIDAS BIRTHDAY
	02-Mar-18	2	Friday			
						HOLI
	03-Mar-18/ Unit-3	3	Saturday			
						K.U.K HOLIDAY
					3rd	
	04-Mar-18	4	Sunday			
						SUNDAY
	05-Mar-18	5	Monday	B.SC II		Fourier transforms and its properties
				B.SC II		
				B.SC III Practical	1st	Study the CE transistor amplifier
	06-Mar-18	6	Tuseday	B.SC II		Application of fourier transform for evaluation of integerals
				B.SC II		

				B.SC III Practical	1st	Study the CE transistor amplifier
	07-Mar-18	7	Wednesday	B.SC II		Soluition of ordinary differential equation
				B.SC II		
				B.SC III Practical	2nd	Study the CE transistor amplifier
	08-Mar-18	8	Thursday	B.SC III		High tcsuperconductors,isotopic effect
				B.SC III Practical	2nd	Practical check with viva
	09-Mar-18	9	Friday	B.SC III		Critical magnetic effect ,messiner effect
				B.SCIII Practical	3rd	Study the CE transistor amplifier
	10-Mar-18	10	Saturday	B.SC III		London theory and pippard's equation
				B.SC III Practical	3rd	Practical check with viva
	11-Mar-18	11	Sunday			
						SUNDAY
	12-Mar-18	12	Monday	B.SC II		Matrix methods in paraxial optics
2				B.SCIII Practical	1st	Diameter of a lycopodium powder using corona rings
	13-Mar-18	13	Tuseday	B.SC II		Effects of transationaland refraction,derivation of thin lens
				B.SC III Practical	1st	Diameter of a lycopodium powder using corona rings
	14-Mar-18	14	Wednesday	B.SC II		Thick lens formulae
				B.SC III Practical	2nd	Diameter of a lycopodioum powder using corona rings
3	15-Mar-18	15	Thursday	B.SC III		Unit plane and nodal plane
				B.SC III Practical	2nd	Diameter of a lycopodioum powder using corona rings

	16-Mar-18	16	Friday	B.SC III		Classification of superconductors type-1,2
				B.SC III Practical	3rd	Diameter of a lycopodioum powder using corona rings
	17-Mar-18	17	Saturday	B.SC III		BCS theory of superconductivity
				B.SC III Practical	3rd	Diameter of a lycopodioum powder using corona rings
	18-Mar-18	18	Sunday			
						SUNDAY
	19-Mar-18	19	Monday	B.SC II		FLUX quantisation
				B.SC III Practical	1st	Diameter of a lycopodioum powder using corona rings
	20-Mar-18	20	Tuseday	B.SC II		Systems of thin lenses
				B.SC III Practical	1st	Diameter of a lycopodioum powder using corona rings
	21-Mar-18	21	Wednesday	B.SC II		Class Discussions on fourier transforms
				B.SC III Practical	2nd	Diameter of a lycopodioum powder using corona rings
	22-Mar-18	22	Thursday	B.SC II		Discussion on geometrical optics 1
				B.SC III Practical	2nd	Diameter of a lycopodioum powder using corona rings
	23-Mar-18	23	Friday			
	24-Mar-18	24	Saturday	B.SC II		Josephson effect AC and DC
				B.SC III Practical	3rd	Diameter of a lycopodioum powder using corona rings
4	25-Mar-18	25	Sunday			
						SUNDAY
	26-Mar-18	26	Monday	B.SC II		Test on fourier transforms

				B.SCIII Practical	1st	PRACTICAL check with viva
	27-Mar-18	27	Tuseday	B.SC II		Test on geometrical optics-1
				B.SC III Practical	1st	
	28-Mar-18	28	Wednesday	B.SC II		Discussion on given test
				B.SC III Practical	2nd	Thickness of a paper using interference fringes in an air wedge
	29-Mar-18	29	Thursday			
						MAHAVIR JAYANTI
	30-Mar-18	30	Friday	B.SC III		Superconductivity limiltations
				B.SC III		
				B.SC III Practical	3rd	Thickness of a paper using interference fringes in an air wedge
	31-Mar-18	31	Saturday	B.SC III		Power applications of superconductors
				B.SC III Practical	3rd	Thickness of a paper using interference fringes in an air wedge

Class and Section B.Sc 4th sem and 6th sem

Paper:2(wave and optics 2) and paper:1(solid state and nano physics)

	01-Apr-18	1	Sunday			
						SUNDAY
	02-Apr-18/ UNIT-4	2	Monday	B.SC II		Chromatic,spherical,coma
				B.SC III Practical	1st	Practical check with viva
1	03-Apr-18	3	Tuseday	B.SC II		Astigmatism and distortion abberations and their remedies

				B.SC III Practical	1st	Revision for final practical
	04-Apr-18	4	Wednesday	B.SC II		Optical fiber,critical angle of propagation
				B.SC III Practical	2nd	Practical check with viva
	05-Apr-18	5	Thursday	B.SC III		Nanoscale definition,length scale and its importance
				B.SC III Practical	2nd	Revision for final practical
	06-Apr-18	6	Friday	B.SC III		Nano-technology history
				B.SC III Practical	3rd	Practical check with viva
	07-Apr-18	7	Saturday	B.SC III		Benefits and challenges in manufacturing
				B.SC III Practical	3rd	Revision for final practical
2	08-Apr-18	8	Sunday			
						SUNDAY
	09-Apr-18	9	Monday	B.SCII		Mode of propagation,acceptance angle
				B.SC III Practical	1st	Revision for final practical
	10-Apr-18	10	Tuseday	B.SC II		Fractional refractive index change,numerical aperture
				B.SC III Practical	1st	Revision for final practical
	11-Apr-18	11	Wednesday	B.SC II		Type of optic fibre and normalised frequency
				B.SC III Practical	2nd	Practical revision
	12-Apr-18	12	Thursday	B.SC III		Molecular assembeler concept

				B.SCIII Practical	2nd	Practical revision
	13-Apr-18	13	Friday	B.SC III		Understanding advance capabilities
				B.SC III Practical	3rd	Practical revision
	14-Apr-18	14	Saturday			
						DR AMBEDKAR JAYANTI/VAISHAKHI
	15-Apr-18	15	Sunday			
						SUNDAY
	16-Apr-18	16	Monday	B.SC II		Pulse dispersion and attenuation
				B.SC III Practical	1st	Practical revision
	17-Apr-18	17	Tuseday	B.SC II		Fibre optics application
				B.SC III Practical	1st	Practical revision
	18-Apr-18	18	Wednesday			
3						PARSHURAM JAYANTI

	19-Apr-18	19	Thursday	B.SC III		Nanotechnology in different field
				B.SC III Practical	2nd	Practical revision
	20-Apr-18	20	Friday	B.SC III		Automobiles and electronics
				B.SC III Practical	3rd	Revision
	21-Apr-18	21	Saturday	B.SC III		Nanobiotechnology
				B.SC III Practical	3rd	Revision
4	22-Apr-18	22	Sunday			

					SUNDAY
23-Apr-18	23	Monday	B.SC II		Fibre optics communication
			B.SC III Practical	1st	revision
24-Apr-18	24	Tuseday	B.SC II		Fibre optics advantages
			B.SCIII Practical	1st	revision
25-Apr-18	25	Wednesday	B.SC II		Black-board test
			B.SC III Practical	2nd	Revision
26-Apr-18	26	Thursday	B.SC III		Materials and medicine
			B.SC III Practical	2nd	Revision
27-Apr-18	27	Friday	B.SC III		Class discussion
			B.SC III Practical	3rd	revision
28-Apr-18	28	Saturday	B.SC III		Black-board test
			B.SC III Practical	3rd	revision