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1	Spectroscopy:- Introduction, characterization of electromagenetic radiation. regions of spectrum, representation of spectra width and intensity of spectral transition. rotat determination of bond length qualitative description of non-rigid rotator. selection	ion
2	molecules, energy levels of interest and their symmetry, vibrating diet	
3	Oscillator. Oscillator.	ona
4	Raman Spectra:- Concept of polarizabillity, quantum theory of Raman spectra stokes anti stokes lines pure rotational and vibrational Raman spectra. Application of Raman spectra stokes and anti stokes lines, pure rotational and vibrational Raman spectroscopy in forensic science.	nai
	IR spectra.	1 01
	Formation of glycosides ethers and esters Determination of ring size of monosaccharides (Cyclic structure of D (+) glucose. Structure of ribose and deoxyribose. An introduction without involving structure and lactose) and polysaccharides (starch and call by	les.
7	nard and soft. Perason's HSAB concept, acid base strength and hardness and softnessilicones and Phosphazeness.	as
101 -1.0	of the state of bonding in triphocal	ic
. /	1154	ic
8 N	Tass spectroscopy: mass spectros	-
8 M 9 I d H fr	প্রিক বার্থন বিদ্যালয় বিষয়ে বিষয় ব	5 of s.
8 M 9 I d H fr bu	Mass spectroscopy:- mass spectrum fragmentation of functional groups. Pijuries:- Nature and Types. Anti-mortem and post-mortem burn, Medico-legal aspect of anging Ligature Strangulation, Throttling, Suffocation Drowning: Immersion, Deat principle, firearms, hanging, strangulation, throttling, poisoning, Railway cutting, stokking plosion sexual cases and potential in the property of the propert	5 of s.
8 M 9 I d H fr bu ex 10 D dr 11 Ba Stu	Mass spectroscopy:- mass spectrum fragmentation of functional groups. Injuries:- Nature and Types. Anti-mortem and post-mortem burn, Medico-legal aspect of anging Ligature Strangulation, Throttling, Suffocation Drowning: Immersion, Death of Starvation. Cold and Heat, Anaphylactic Deaths. Post Mortem examination is plosion sexual cases and natural death, cause of deaths. In plosion sexual cases and natural death, cause of deaths.	of ss. h
8 M 9 I d d H fr bu ex 10 D dr 11 Ba Stu Fra As	Mass spectroscopy:- mass spectrum fragmentation of functional groups. Injuries:- Nature and Types. Anti-mortem and post-mortem burn, Medico-legal aspect of eath. Description of different types of deaths, Asphyxia, Violent Asphyxial death anging Ligature Strangulation, Throttling, Suffocation Drowning: Immersion, Death of Starvation. Cold and Heat, Anaphylactic Deaths. Post Mortem examination is plosion sexual cases and natural death, cause of deaths. In a sufficient types of deaths, Asphyxia, Violent Asphyxial death, and the start of the sufficient types of deaths. The sufficient types of deaths are the sufficient types of deaths. The sufficient types of deaths are the sufficient types of deaths. In a sufficient types of deaths, Asphyxia, Violent Asphyxial death, Death and Finger printing in paternity death, and the sufficient types of deaths. In a sufficient types of deaths, Asphyxia, Violent Asphyxial death, Death and Heat, Anaphylactic Deaths. Post Mortem examination in plosion sexual cases and natural death, cause of deaths. In a sufficient types of deaths, Asphyxia, Violent Asphyxial death, Death and Heat, Anaphylactic Deaths. Post Mortem examination in plosion sexual cases and natural death, cause of deaths. In a sufficient types of deaths are types of deaths. In a sufficient types of deaths, Asphyxia, Violent Asphyxial death, Death and Death and Heat, Asphyxial death, Cause of deaths. In a sufficient types of deaths. In a suffic	of ss. hh nn ss.
8 M 9 I d d H fir bu ex 10 D dr 11 Ba Stu Fra As 12 Op ma	Mass spectroscopy:- mass spectrum fragmentation of functional groups. Injuries:- Nature and Types. Anti-mortem and post-mortem burn, Medico-legal aspect of anging Ligature Strangulation, Throttling, Suffocation Drowning: Immersion, Death of Starvation. Cold and Heat, Anaphylactic Deaths. Post Mortem examination is plosion sexual cases and natural death, cause of deaths. In plosion sexual cases and natural death, cause of deaths.	of s. h

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205		14	Current electricity
			Current electricity:- Electric current, difference between electromotive force (emf and potential difference, Ohm's law. ohmic and nonohmic resistance, colour codes of carbon and parallel combination of resistance. Superconductivity, effect of temperature on resistance. Series calculation of unknown resistance using meter bridge, internal resistance, potentiometer internal resistance of cell using potentiometer combination of cells (Parallel. series and Effect of electric current - Oretadia.
		15	Effect of electric
			rule, Bio-savart's law. magnetic field due to long straight current conductor. intensity at carrying conductor in uniform magnetic field. Lorentz's force Fleming's left hand rule, charged particle in magnetic field, construction, theory and working and process of the construction of galvanometer.
		16	Thermal effect of the animeter and voltmeter, principle of shunt.
		e F tl	electric power, practical unit of electric power, fuse wires, thermoelectric energy and effect, Seebak series, change in emf with temperature, inversion and neutral temperature, hermoelectric beam. Electrolysis. Faraday, s. law of electric effect. Thompson effect.
	17	E	lectromagnetic : I solid state cells
	18	sei ax cui	ductance, mutual induction, coefficient of mutual inductance, self inductance of plane ries), mutual inductance of two plane circular coils, mutual inductance of two plane circular coils, mutual inductance between two corrents.
		Val	the average and DC) alternation of
No. of the last of	19	resc wat	onance circuit, dynamo, AC dynamo, DC dynamo, DC arrent and inscribing the current are significant.
	19	Solic	ds and semiconductor devices:- Types of calld
1.00		diode trans	ds and semiconductor devices:- Types of solids and their examples, energy level of gy level, different types of semiconductors and semiconductors, concept of Fermi conductors, P-N junction diode. forward and reverse bias, diode as rectifier LED zener istor as amplifier (common emitte configuration), oscillator, logic gates (OR, AND munication theory:- Prelimine.
	20	Com	munication at algebra, elementary idea of ic
		modu	lation and its need, types of modulation, index of modulation grant idea of modulation, index of modulation index of modulating system.
- 2	21	Comn	dunication 41 government of the wire
		modul	ation and it.
		prelim	inary idea of internet and cellular phone Its of modulation. FAX and MODEM
2	2 (Compi	uters: Communication, double line wire
	S	ystems	uters:- Computer: their classification and working, input-output devices. operating s, computer software and programming languages.
			s, computer software and programming languages.

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	23 Plant water maletty.
	Plant-water relations:- Importance of water to plant life: physical properties of water and transpiration. Plants and environment: Atomsological
	Plants and environment:- Atomsphers (gaseous composition), water (properties of water and transpiration), light (Global radiation, photosynthetically active radiation), temperature, so anatomical and physiological responses of plants to water (hydrophytes and xerophyte salinity.
2	5 (ECOLOGY)
	 Aims and scopes of Ecology. Major ecosystems of the world-Brief intruduction Population-Characteristics and regulation of densities. Communities and Ecosystems. Biogeochemical cycles Air and water pollution Ecological succession
	(ENVIRONMENTAL BIOLOGY)
	 Laws of limiting factors Food chain in a freshwater ecosystem. Energy flow in ecosystem-Trophic levels Conservation of Natural resources Environmental impact Assessment
	Aerobiology; definition, droplet nuclei, aerosol assessment of air quality, some important
26	(Influenza, Chicken pox Measels) proposition, reflectmonia. Meningitis), virus
26	Soil microbiology:- Physical and chemical characteristics and micro flora of varies soil types. Aquatic/microbiology; ecosystem, fresh water (ponds. lakes, stream) and marine Water Potability of water - microbial assessment.
26	(Influenza, Chicken pox, Measels) preventive measures. Soil microbiology:- Physical and chemical characteristics and micro flora of varies soil types. Aquatic/microbiology; ecosystem, fresh water (ponds. lakes, stream) and marine Water zonation: upwelling, entrophication

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