

KAI. P.R. PATIL UTKARSHA JUNIOR COLLEGE VIRAR

XII SCIENCE YEAR PLAN 2020-21

SUB: PHYSICS ,CHEMISTRY AND MATHEMATICS

MONTH	PHYSICS	CHEMISTRY	MATHS
JUNE	1.ROTATIONAL DYNAMICS	I solid state	Paper 1 Mathematical Logic
	7.WAVE OPTICS	II Halogen derivatives	Paper 1 Matrices
JULY	2.MECHANICAL PROPERTIES OF FLUID	I solid state cont.	Paper 2 Differentiation
	8.ELECTROSTATICS	solutions	Paper 2 Applications of Derivatives
		II Halogen derivatives cont.	Paper 1 Trigonometric Functions
		Alcohols ,Phenols,Ethers	
AUGUST	2.MECHANICAL PROPERTIES OF FLUID		
FIRST UNIT TEST			
	9. CURRENT ELECTRICITY	I Ionic equilibria	Paper 1 Trigonometric Functions cont.
	16.SEMICONDUCTOR DEVICES	II Aldehydes,ketones and carboxylic acid	Paper 2 Indefinite Integration
SEPT	3.KTG		Paper 2 Definite Integration
	9.M.E.E.C	I chemical thermodynamics	Paper 2 Application of Definite Integration
		II Amines,Biomolecules	Paper 1 Pair of straight lines
OCT	4.THERMODYNAMICS	I Electrochemistry	Paper 1 Vectors
	11.MAGNETIC MATERIALS	II Introduction to polymer chemistry	Paper 2 Differential Equations
FIRST TERM EXAM			
		II Green chemistry and Nanochemistry	
NOV	5.OSCILLATIONS	I Chemical kinetics	Paper 1 Line and Plane
	12.EMI	Elements of groups 16,17 and 18	Paper 2 Probability Distribution
	13. AC CKT	II Coordination compounds	

MONTH	PHYSICS	CHEMISTRY	MATHS
DEC	6.STATIONERY WAVES	I Elemental groups 16,17 and 18 contd.	Paper 1 Linear Programming
	14.DUAL NATURE	II Transition and inner transition elements	Paper 2 Binomial Distribution
	15.STRUCTURE OF ATOM		
JAN			
PRELIMINARY EXAM			
PRELIM PRACT.			
FEB			
BOARD PRACTICALS			

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XII SCIENCE YEAR PLAN 2020-21		SUB: BIOLOGY, PSYCHOLOGY AND I.T.	
MONTH	BIOLOGY	PSYCHOLOGY	IT
JUNE	1.Reproduction in lower and higher plants		Revision - Web Designing - Basic Structure
	5.origin and evolution of life		Table , List Item order tag
JULY	4.Molrcular basis of inheritance	CHP.1.Psychology:A Scientific Disipline	Advance Web Designing - Basic Form
	8.Respiration and circulation		Input Element Meta Tag
			CSS Types , Internal CSS
			CSS selector, positioning
			Nested and Multilevel List Item
AUGUST		CHP.2.Intelligence CHP.3 Personality	
FIRST UNIT TEST			
	3.Inherintance and variation		Audio-Video and Image Mapping, web hosting
			E-Commerce & E-Governance-concept
SEPT	6.Plant water relation	CHP.3- Personality	type of E-commerce,
	14.Ecosystem and energy flow	CHP 4- Cognitive Processes	Trade cycle,Payment Mode
	10.Human health and diseases		Forms Of E-commerce, EDI
	13.Organisms and population		SEO - Technique, types, media optimization, Audit
OCT	7.Plant growth and mineral nutrition	ChP-5- Emotions	E-Governance -concept, types, security Measures
	15.Biodiversity conservation and environmental issues	CHP-6 Psychology Disorders	Advance Java script-Features
FIRST TERM EXAM	FIRST TERM EXAM	FIRST TERM EXAM	FIRST TERM EXAM
			Switch case, Loop
NOV	12.Biotechnology	CHP-7-First Aid in Mental Health	Object Events in JS, Validation in JS
	2.Reproduction in lower and higher animals	CHP- 8- Positive Psychology	Emerging Technology- IOT,Cloud Computing, Artificial Intelligence

MONTH	BIOLOGY	PSYCHOLOGY	I T
DEC	11.Enhancement of food production	CHP 8-Positive Psychology	PHP- Features, variables data type
	9.Control and coordination		controls, array, function in PHP
			userdefine datatype in PHP and connectivity
JAN			
PRELIMINARY EXAM			
PRELIM PRACT.			
FEB			
BOARD PRACTICALS			

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XII SCIENCE YEAR PLAN 2020-21

SUB: COMPUTER SCIENCE AND ELECTRONICS

MONTH	C.S. I	C.S II	E.S. I	E.S II
JUNE	HTML: introduction,tags,features structure,hyperlink	Introduction to microprocessor, generation block diag, features, ALU,flags	Transducers	Number System & Boolean Algebra
JULY	Data structure:operation, control structure algorithms linear array,Linked list	Interrupt,pin diagram control registers, instruction cycle machine cycle, functions of MP	Operational amplifier	Logic Gates
AUGUST				
FIRST UNIT TEST				
	Record,Tree,Binary Tree,Expression Tree, Stack and Queue	Addressing modes, data transfer group Arithmetic instructions	Operational-ampifier Contd. DC power supply	Multiplexers & Demultiplexers Encoders & Decoders
SEPT	C++:review of c++, datatype,operator conditional statements,function,pointer programs on basic functions	logical instructions, branching group machine control instructions programs	Integrated Circuits	Flip-Flops & counters
OCT	OOPS: class, object,friend function constructor & destructor,static	networking: characteristics, types of cable topology	Electronic Instruments	Registers A/D & D/A converters
FIRST TERM EXAM				
	operator overloading,inheritance	modem,hub,router		
NOV	polymorphism,file handling OS:Services,IM,PM,MM	Introduction to microcontroller	Modern Electronic Communication	Computer Fundamntal

MONTH	C.S. I	C.S II	E.S. I	E.S II
	GUI,prosses mangement,security			
	virus and worms			
DEC	oops programs, revision	Intel X 86 family	Modern Electronic Communication Contd.	Logic Families
JAN				
PRELIMINARY EXAM				
PRELIM PRACT.				
FEB				
BOARD PRACTICALS				