

Weekly

Co-scholastic Syllabi

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Contact Address:

Misrod, Mandideep Road, Bhopal

Phone:

School Reception: +91755-2980200/2980201

Email:

principal@ipsbhopal.com



INTERNATIONAL PUBLIC SCHOOL

Affiliated to Central Board of Secondary Education, Delhi. (Aff. No.: 1030204)

SYLLABUS BIFURCATION Class XII (Science)



Session 2024-25

English Syllabus

MONTH	CONTENT	PRACTICALS/PR OJECT	ASSESSMENTS
March	 The last Lesson The Third Level Writing Skills - Notice 		PA-I 1. The Last Lesson 2. The Third Level
April	 The Lost Spring Poem: My Mother at Sixty - Six The Tiger King Poem: Keeping Quiet 		3. The Lost Spring 4. Poem: My Mother at Sixty-Six WS - Notice
June	7. Deep Water WS- Invitations & Replies		Half Yearly 1. The Last Lesson
July	8.Journey to the end of the Earth 9.Poem: A Thing of Beauty WS- Letter to Editor 10. The Rattrap		2. The Third Level3. The Lost Spring4. Poem: My Mother atSixty-Six5. The Tiger King6. Poem: Keeping Quiet
August	11. The Enemy12. Indigo13. Poem: A RoadsideStand		7. Deep Water 8. Journey to the end of the Earth 9. Poem: A Thing of
September	14. On the Face of It 15. Poets and Pancakes WS- Job Application with Resume		

Hindustani Music (Vocal) Syllabus

MONTH	CONTENT	PRACTICALS/ PROJECT/AIP	ASSESSMENTS
March	अलंकार, राग		
	मालकौंस, जीवनी		
April	राग मालकौंस,		
	नोटेशन राईटिंग, ताल		
	झपताल		
June	राग मालकौंस,		
	परिभाषा, समय़चक्र,		
	धमार		
July	राग शुध्दसारंग,		Periodic Assessment (40% of the Entire Syllabus)
	जीवनी, नोटेशन		(40% of the Entire Synabus)
	राईटिंग		
August	राग बागेश्री, संगीत		
	पारिजात, संगीत		
	रत्नाकर		
September	राग बागेश्री, ताल	PRACTICALS	Half Yearly
	धमार		(70% of the Entire Syllabus)
October	राग भैरव, तराना,		
	ताल रूपक,		
November	राग रागिणी, नोटेशन	PRACTICALS	Prelim-I
	राईटिंग, तानपुरे की		(90% of the Entire Syllabus)
	जानकारी		
December	लोकगीत, भजन		
January	रिविजन	PRACTICALS	Prelim-II
			(100% of the Entire Syllabus)

Web Application Syllabus

		more than 8500 m	
August	Part B	Create a small Movie by	
	Unit 1 Movie	using Window movie maker	
	Editing Tools.		
September	Part B	Write a java script to embed	
	Unit 2	Audio & video in web page	
	Customizing		
	and Embedding		
	Multimedia		
	components in		
	Web Pages.		
October	Part B	Create a web site of at least	PRELIM-I & II
	Unit 4:	10 to 15 web page	(write here)
	Advanced		
	feature of Web-		All Course
	Design		TD
November	Unit 4:	Activity XIII - Creativity	Part A:
	Entrepreneurial	Think of 10 unconventional	Unit 1 TO Unit 5
	Skills Unit 5 :	uses of the following	Part B:
	Green Skills	objects	Unit 1 To Unit 4
		1. Paper Clip	
		2. Tennis Ball	
		3. Clothes Hanger	
		4. Feather	
		5. Water bottle	
		Choose any 4-5 Green	
		Careers and prepare a	
		brochure elaborating all the	
		aspects like Educational	
		Qualifications, Skills,	
		Universities and colleges	
		where these courses are	
		available etc	
		Practical file & project	

English Syllabus

October	16. The Interview	PRELIM-I & II
	17. Memories of	1. The Last Lesson
	Childhood	2. The Third Level
	WS- Article and Report	3. The Lost Spring
November	18. Going Places	4. Poem: My Mother at
	19. Poem: Aunt	Sixty-Six
	Jennifer's Tigers	5. The Tiger King
	3	6. Poem: Keeping Quiet
		7. Deep Water
		8. Journey to the end of
		the Earth
		9. Poem: A Thing of
		Beauty
		10. The Rattrap
		11. The Enemy
		12. Indigo
		13. Poem: A Roadside
		Stand
		14. On the Face of it
		15. Poets and Pancakes
		The Interview
		17. Memories of
		Childhood
		18. Going Places
		19. Aunt Jennifer's
		Tigers
		WS - * Notice
		 Invitations & Replies
		 Letter to Editor
		 Job Application
		Article
		Report

Tourism Syllabus

TERM- I March Subject Specific Skills- Unit -1 Introduction to Travel & Tour Operations Business Employability Skills- Unit -1 Communication April Subject Specific Skills- Unit-2 Operations of Travel Agency Employability Skills- Unit-2 Self-Management June Subject Specific Skills- Unit-3 Transport Network Unit-4 Itinerary Planning Practical July Employability Skills- Unit 3- ITC August Subject Specific Skills- Unit -5 Tour Packaging & Programming September Revision & Half yearly event	MONTH	CONTENT	ACTIVITIES	ASSESSMENTS
March Subject Specific Skills- Unit -1 Introduction to Travel & Travel & Unit -1 Introduction to Travel & Unit -1 Introduction to Travel & Tour Operations Business Employability Skills- Unit -1 Communication April Subject Specific Skills- Unit-2 Operations of Travel Agency Employability Skills- Unit-2 Self-Management June Subject Specific Skills- Unit-3 Transport Network Unit-4 Itinerary Planning Practical PA-I Unit -1 Introduction to Travel & Tour Operations Business Unit-2 Operations of Travel Agency Half Yearly Subject Specific Skills- Unit -3 Transport Network Unit -4 Itinerary Planning Practical Employability Skills- Unit 3- ITC August Subject Specific Skills- Unit -5 Tour Packaging & Programming Employability Skills- Unit 1 to 3			· · · · · · · · · · · · · · · · · · ·	
Unit -1 Introduction to Travel & Tour Operations Business Employability Skills- Unit -1 Communication April Subject Specific Skills- Unit-2 Operations of Travel Agency Employability Skills- Unit-2 Self-Management June Subject Specific Skills- Unit-3 Transport Network Unit-4 Itinerary Planning July Employability Skills- Unit 3- ITC August Subject Specific Skills- Unit -5 Tour Packaging & Programming Unit -1 Introduction to Travel & Tour Operations Business Unit-2 Operations of Travel Agency Half Yearly Subject Specific Skills- Unit 1 to 4 Employability Skills- Unit 1 to 4 Employability Skills- Unit 1 to 3				
Tour Operations Business Employability Skills- Unit -1 Communication April Subject Specific Skills- Unit-2 Operations of Travel Agency Employability Skills- Unit-2 Self-Management June Subject Specific Skills- Unit-3 Transport Network Unit-4 Itinerary Planning Practical July Employability Skills- Unit 3- ITC August Subject Specific Skills- Unit -5 Tour Packaging & Programming Travel & Tour Operations Business Unit-2 Half Yearly Subject Specific Skills- Unit 1 to 4 Employability Skills- Unit 1 to 3	March	1	Practical	PA-I
Employability Skills- Unit -1 Communication April Subject Specific Skills- Unit-2 Operations of Travel Agency Employability Skills- Unit-2 Self-Management June Subject Specific Skills- Unit-3 Transport Network Unit-4 Itinerary Planning Practical July Employability Skills- Unit 3- ITC August Subject Specific Skills- Unit -5 Tour Packaging & Programming Operations Business Unit-2 Half Yearly Subject Specific Skills- Unit 1 to 4 Employability Skills- Unit 1 to 3		Unit -1 Introduction to Travel &		Unit -1 Introduction to
Unit -1 Communication April Subject Specific Skills- Unit-2 Operations of Travel Agency Employability Skills- Unit-2 Self-Management June Subject Specific Skills- Unit-3 Transport Network Unit-4 Itinerary Planning Practical July Employability Skills- Unit 3- ITC August Subject Specific Skills- Unit -5 Tour Packaging & Programming Unit-2 Operations of Travel Agency Half Yearly Subject Specific Skills- Unit 1 to 4 Employability Skills- Unit 1 to 3		Tour Operations Business		Travel & Tour
Communication April Subject Specific Skills- Unit-2 Operations of Travel Agency Employability Skills- Unit-2 Self-Management June Subject Specific Skills- Unit-3 Transport Network Unit-4 Itinerary Planning July Employability Skills- Unit 3- ITC August Subject Specific Skills- Unit -5 Tour Packaging & Programming Unit-2 Operations of Travel Agency Half Yearly Subject Specific Skills- Unit 1 to 4 Employability Skills- Unit 1 to 3				Operations Business
April Subject Specific Skills- Unit-2 Operations of Travel Agency Employability Skills- Unit-2 Self-Management June Subject Specific Skills- Unit-3 Transport Network Unit-4 Itinerary Planning Practical July Employability Skills- Unit 3- ITC August Subject Specific Skills- Unit -5 Tour Packaging & Programming Operations of Travel Agency Half Yearly Subject Specific Skills- Unit 1 to 4 Employability Skills- Unit 1 to 3				
Unit-2 Operations of Travel Agency Employability Skills- Unit-2 Self-Management June Subject Specific Skills- Unit-3 Transport Network Unit-4 Itinerary Planning Practical July Employability Skills- Unit 3- ITC August Subject Specific Skills- Unit -5 Tour Packaging & Programming Operations of Travel Agency Half Yearly Subject Specific Skill- Unit 1 to 4 Employability Skills- Unit 1 to 3				Unit-2
Operations of Travel Agency Employability Skills- Unit-2 Self-Management June Subject Specific Skills- Unit-3 Transport Network Unit-4 Itinerary Planning Practical July Employability Skills- Unit 3- ITC August Subject Specific Skills- Unit -5 Tour Packaging & Programming Agency Half Yearly Subject Specific Skill- Unit 1 to 4 Employability Skills- Unit 1 to 3	April	Subject Specific Skills-		
Employability Skills- Unit-2 Self-Management June Subject Specific Skills- Unit-3 Transport Network Unit-4 Itinerary Planning Practical July Employability Skills- Unit 3- ITC August Subject Specific Skills- Unit -5 Tour Packaging & Programming Employability Skills- Unit 1 to 3 Employability Skills- Unit 1 to 3				Operations of Travel
Unit-2 Self-Management June Subject Specific Skills- Unit-3 Transport Network Unit-4 Itinerary Planning July Employability Skills- Unit 3- ITC August Subject Specific Skills- Unit -5 Tour Packaging & Programming Half Yearly Subject Specific Skill- Unit 1 to 4 Employability Skills- Unit 1 to 3		Operations of Travel Agency		Agency
Self-Management June Subject Specific Skills- Unit-3 Transport Network Unit-4 Itinerary Planning Fractical July Employability Skills- Unit 3- ITC August Subject Specific Skills- Unit -5 Tour Packaging & Programming Half Yearly Subject Specific Skill- Unit 1 to 4 Employability Skills- Unit 1 to 3				
June Subject Specific Skills- Unit-3 Transport Network Unit-4 Itinerary Planning Practical July Employability Skills- Unit 3- ITC August Subject Specific Skills- Unit -5 Tour Packaging & Programming Half Yearly Subject Specific Skills- Unit 1 to 4 Employability Skills- Unit 1 to 3		Unit-2		
Unit-3 Transport Network Unit-4 Itinerary Planning Fractical July Employability Skills- Unit 3- ITC August Subject Specific Skills- Unit -5 Tour Packaging & Programming Subject Specific Skills- Unit 1 to 3 Employability Skills- Unit 1 to 3		Self-Management		
Unit-4 Itinerary Planning Practical Unit 1 to 4 July Employability Skills- Unit 3- ITC August Subject Specific Skills- Unit -5 Tour Packaging & Unit 1 to 3 Programming Unit 1 to 4 Employability Skills- Unit 1 to 3	June	Subject Specific Skills-		Half Yearly
July Employability Skills- Unit 3- ITC August Subject Specific Skills- Unit -5 Tour Packaging & Programming Employability Skills- Unit 1 to 3		Unit-3 Transport Network		Subject Specific Skill-
Unit 3- ITC August Subject Specific Skills- Unit -5 Tour Packaging & Programming Employability Skills- Unit 1 to 3		Unit-4 Itinerary Planning	Practical	Unit 1 to 4
August Subject Specific Skills- Unit -5 Tour Packaging & Unit 1 to 3 Programming Employability Skills- Unit 1 to 3	July	Employability Skills-		
Unit -5 Tour Packaging & Unit 1 to 3 Programming		Unit 3- ITC		
Programming	August	Subject Specific Skills-		Employability Skills-
		Unit -5 Tour Packaging &		Unit 1 to 3
Sentember Revision & Half yearly evan		Programming		
September Revision & Han yearly exam	September	Revision & Half yearly exam		
TERM-II		TERM-	İİ	
September Subject Specific Skills- PA-II	September	Subject Specific Skills-		PA-II
Unit -6 Package Tour Costing		Unit -6 Package Tour Costing		
Subject Specific Skills-				Subject Specific Skills-
October Subject Specific Skills- Practical Unit 5 and 6	October	Subject Specific Skills-	Practical	Unit 5 and 6
Unit -7 Government & Professional		Unit -7 Government & Professional		
Bodies		Bodies		
Employability Skills-		Employability Skills-		
Unit 4- Entrepreneurship		Unit 4- Entrepreneurship		
November Subject Specific Skills-	November	Subject Specific Skills-		
Unit -8 Global Distribution System		Unit -8 Global Distribution System		
Employability Skills-		Employability Skills-		
Unit -5 Green Skills		Unit -5 Green Skills		
December Employability Skills- Annual	December			Annual
Unit -5 Green Skills Subject Specific Skills-		Unit -5 Green Skills		Subject Specific Skills-
January REVISION Unit 1 to 8	January	REVISION		Unit 1 to 8
February Revision & Annual exam Employability Skills-		Revision & Annual exam		Employability Skills-
Unit 1 to 5				
Practical				Practical

Web Application Syllabus

MONTH	CONTENT	PRACTICALS/PROJECT	ASSESSMENTS
March	Part B	Java Script to add two	PA-I
	Unit 3 –Web	number	(write here)
	Scripting –Java	Java Script with ifElse	
	Script	Java Script with switch	Unit 3 –Web
		Java Script with loop	Scripting –Java
April	Part B	Java Script using maths	Script
	Unit 3 –Web	function	
	Scripting –Java	Java Script using Array (all	
	Script	method of array	
	continue		
June	Part A	Group Discussion	Half Yearly
	Employability	Designing poster on steps of	(write here)
	Skills	Active Listening	
	Unit 1:		Part A: Unit 1,2 & 3
	Communication		
	Skills-		Part B: Unit 1,2
July	Part A	Session A. Group Discussion	
	Unit 2 : Self-	on identifying needs and	
	Management	desires in general	
	Skills-	Session B. Discussion on	
	Unit 3: ICT	sources of motivation and	
	Skills	inspiration, finding their own	
		sources	
		Session C. Demonstrate the	
		knowledge of different	
		personality types. Try to	
		identify your own	
		personality Session D. Essay on	
		reflections on self-	
		personality type	
		1. Create the following	
		worksheet and perform the	
		following operations:	
		a. Sort the table in ascending	
		order of height.	
		_	
		I =	
		b. Filter the data to view only those rows where height is	

Yoga Syllabus

		TERM-II	
September	Significance of hath		P.A.II
	yoga practices in		Introduction to
	health promotion.		yoga texts.
October	Concept of mental health well being according to patanjali yoga. Yogic practice of patanjali yoga Bahiranga and antranga yoga. Concept of healthy living style in	Doing various yoga exercise and asans for good health. Reading important shlokas from bhagvad gita.	
	bhagvad gita.		
November	Importance of subjective experience in daily yoga practice.		
December	1. Yoga for health promotion Introduction to first and CPR. Yogic management of stress and its consequences Yogic prevention of common diseases. Yoga and personality development.	Using dumy rubber body for CPR and first aid. Introducing different personalities and various changes through yoga.	Annual Exam 1. Introduction to yoga and yogic practices. 2. Introduction to yoga texts. 3. Yoga for health promotion.
January	Revision		
February	Revision & Annual exam		

Mathematics Syllabus

MONTH	CONTENT	PRACTICALS/ PROJECT	ASSESSMENTS
March	Matrices, Determinants and Linear Programming problems	Activities 1 and 2	P.A.1 Matrices, Determinants and Linear Programming problems
April	Inverse Trigonometric Functions, Continuity and Differentiability	Activities 3 and 4	
May	Application of Derivatives	Activities 5 and 6	(Half Yearly Syllabus) 1.Matrices, 2.Determinants 3.Linear Programming problems 4.Continuity and Differentiability 5.Application of Derivatives 6. Integrals 7.Three Dimensional Geometry 8. Probability 9Applications of Integrals 10.Differential Equations
June	Integrals	Activities 7 and 8	
July	Applications of Integrals and Differential Equations	Activities 9 and 10	
August	Vector and its applications		
September	Three Dimensional Geometry and Probability		
October	Relation and Functions Revision		
November and December	Revision		Prelim Full Syllabus
January	Revision		

Biology Syllabus

MONTH	CONTENT	PRACTICALS/PROJECT	ASSESSMENTS
March	Chapter 2: Sexual Reproduction in Flowering Plants Chapter 3: Human Reproduction	 Prepare a temporary mount to observe pollen germination Pollination of different agencies Controlled pollination Emasculation bagging and Tagging 	PA-I EXAM 22 nd TO 27 th APRIL
April	Chapter 4: Reproductive Health Chapter 5: Principles of Inheritance and Variation	 Identification of T.S. of testis. T.S of blastula and T.S. of ovary through permanent slides Prepare a temporary mount of onion root tip to study mitosis 	Chapter 2: Sexual Reproduction in Flowering Plants Chapter 3: Human Reproduction Chapter 4: Reproductive Health
May	Chapter 6: Molecular Basis of Inheritance	 Mendelian inheritance using seeds of different color /sizes of any plant Isolate DNA from available plant material 	
June	<u>Chapter 7:</u> Evolution	Flash cards models showing examples of homologous and analogous organs	HALF YEARLY EXAM 10 th TO 21 st SEPTEMBER Chapter 2:
July	Chapter 8: Human Health and Disease Chapter 10: Microbes in Human Welfare	 Common disease-causing organisms Like Ascaris, Entamoeba, Plasmodium, Roundworm through Permanent slides. Study of pedigree charts 	Sexual Reproduction in Flowering Plants Chapter 3: Human Reproduction Chapter 4: Reproductive Health
August	Chapter 11: Principle of Biotechnology, Recombinant Chapter 12: Biotechnology and its Applications.		Chapter 5: Principles of Inheritance and Variation Chapter 6: Molecular Basis of Inheritance Chapter 7: Evolution
September	Chapter 13: Organisms and Population	 Symbotic association in root modules of leguminous plants, Cuscuta on host, lichens. Study the plant population density - quadrat method. 	Chapter 8: Human Health and Disease Chapter 10: Microbes in Human Welfare Chapter 11: Principle of Biotechnology, Recombinant
October	Chapter 14: Ecosystem Chapter 15: Biodiversity and Conservation	Study the plant population frequency by quadrant method.	PRELIM-I 23 rd TO 30 th NOVEMBER
November	Chapter 15: Biodiversity and Conservation		Chapter 2: Sexual Reproduction in Flowering Plants Chapter 3: Human Reproduction

Yoga Syllabus

MONTH	CONTENT	ACTIVITIES AND PRACTICALS	ASSESSMENTS
		TERM- I	
March	1: Communication skills 2 . Self Management skills	Group discussions. Debate competition.	1: Communication skills 2 . Self Management skills Information.
April	3. Introduction to yoga and yogic Practice. 4. Introduction to yoga text.	3.Satkarma meaning and purpose Information and communication technology skills. Satakarma meaning and their significance in yoga sadhana. 4. To verify the laws of combination (parallel) of resistances using a metre bridge	3 communication technology skills. Satakarma meaning and their significance in yoga sadhana.
May	3. Yogaasana	Performing yoga asanas.	
June	4. Introduction to pranayam and dhyan and their health benefits.	Introduction pranayam and dhyan and their health benefits. Performing yogic activities.	Half Yearly 1. Communication and self management skills.
July	Identify career opportunities in yoga	Using live examples from smart board.	2. Introduction to yoga and yogic practice.
August	Concept of ahara (diet) according to yogic text	Using balanced diet and nutritional charts.	3. Introduction to yoga text.4. Yogasnas.
September	REVISION & HALF YEARLY EXAM		

Physical Education Syllabus

	with Special Needs -	Hypertension,	
	Divyang)	Diabetes, Back Pain	
		and	
		Asthma	
		To make	
		students	
		understand the	
		concept of	
		Disability and	
		Disorder.	
August	Unit- 5 Sports and		
	Nutrition		
September	Revision &		
	Half yearly exam		
·		TERM-II	
September	Unit 7 Physiology &	Understanding	PRELIM I
	Injuries in Sports	the physiological	Unit-1 Management of
		factors determining	Sporting Events
		the components of	Unit-2 Children and Women in
		physical fitness	sports
October	Unit-8 Biomechanics	Understanding	Unit-3 Yoga as Preventive
	and Sports	Newton's Laws of	measure for Lifestyle Disease
	Unit- 9 Psychology	Motion and their	Unit- 4 Physical Education and
	and Sports	Application in	Sports for CWSN
		Sports	Unit- 5 Sports and Nutrition
		To make	Unit- 6 Test and measurement
		students	in Sports
		understand	Unit-10 Training in Sports
		Personality & its	Unit- 7 Physiology and injuries
		classifications	in sports
November	Revisions		Unit-8 Biomechanics in Sports
			Unit- 9 Psychology and Sport
December			
	REVISION		

Biology Syllabus

	T		1
			Chapter 4: Reproductive
			Health
			Chapter 5:
			Principles of Inheritance and
			Variation
			Chapter 6: Molecular Basis
			of Inheritance
			Chapter 7: Evolution
			Chapter 8: Human Health
			and Disease
			Chapter 10: Microbes in
			Human Welfare
			Chapter 11: Principle of
			Biotechnology, Recombinant
			Chapter 12: Biotechnology
			and its Applications.
			Chapter 13: Organisms and
			Population
			Chapter 14: Ecosystem
December		Revision	PRELIM-II
			16 th TO 23 rd
			December
			Chapter 2 to 15
			Chapter 2:
			Sexual Reproduction in
			Flowering Plants
			Chapter 3:
			Human Reproduction
			Chapter 4: Reproductive
			Health
			Chapter 5:
			Principles of Inheritance and
			Variation
			Chapter 6: Molecular Basis
			of Inheritance
			Chapter 7: Evolution
			Chapter 8: Human Health
			and Disease
			Chapter 10: Microbes in
			Human Welfare
			Chapter 11: Principle of
			Biotechnology, Recombinant
			Chapter 12: Biotechnology
			and its Applications.
			Chapter 13: Organisms and
			Population
			Chapter 14: Ecosystem
			Chapter 15: Biodiversity and
			Conservation
			Conscivation

Chemistry Syllabus

MONTH	CONTENT	Practical/project	ASSESSMENTS		
	TERM I				
March	Unit 1 solution Unit-6-Haloalkanes and Haloarenes	To determine the strength and molarity of kmno4 with the help of standard mohr salt solution	PA-I Unit 2 solution Unit-10-Haloalkanes and Haloarenes		
April	Unit-6-Haloalkanes and Haloarenes Unit-7 Alcohols Phenol and Ethers	2. To determine the strength and molarity of kmno4 with the help of standard mohr salt solution	Traioactics		
June	Unit-7 Alcohols Phenol and Ethers	To determine the strength and molarity of kmno4 with the help of standard oxalic acid	Half Yearly Unit 2 solution Unit-10-Haloalkanes and Haloarenes		
July	Unit-4 d and f block elements Unit-5 Coordination chemistry	Salt Analysis:	Unit-11 Alcohols Phenol and Ethers Unit-8 d and f block elements Unit-9 Coordination chemistry		
August	Unit-5 Coordination chemistry Unit-2 Electrochemistry	Salt Analysis:	one s coordination one misary		
September	Unit 3 Chemical Kinetics				
	T. 1. 0	TERM II			
October	Unit-8 Aldehydes ketones and carboxylic acid Unit-9-Amines and nitrogen containing compounds	Detection of functional group in an organic compound	Prelim 1 and 2 Unit 2 solution Unit-8 d and f block elements Unit-9 Coordination chemistry Unit-10-Haloalkanes and		
November	Unit-10 Biomolecules	Detection of functional group in an organic compound Chromatography	Haloarenes Unit-11 Alcohols Phenol and Ethers Unit-15 Biomolecules Unit-3 Electrochemistry Unit 4 Chemical Kinetics Unit-12 Aldehydes ketones and carboxylic acid Unit-13-Amines and nitrogen containing compounds		
December	Revision	Detection of functional group in an organic compound Chromatography			
January	Revision				
February	Revision				

Physical Education Syllabus

MONTH	CONTENT	ACTIVITIES AND	ASSESSMENTS	
		PRACTICALS		
TERM- I				
March	Unit 1 Management	* Describe the	PA I	
	of Sporting Events	functions of Sports	Unit 1 Management of	
		Event management	Sporting Events	
		* Differentiate the	Unit 6 Test & Measurement in	
		different	Sports	
		types of tournaments.		
April	Unit 6 Test &	* Perform SAI Khelo		
	Measurement in	India		
	Sports	Fitness Test in school		
		[Age group 5-8		
		years/		
		(class 1-3) and Age		
		group		
		9-18yrs/ (class 4-12)		
May	Unit 10 Training in	Making the		
•	Sports	students understand		
		the concept of		
		talent identification		
		and		
		methods in sports		
June	Unit 2 Children &	To make	Half Yearly	
	Women in Sports	students	Unit-1 Management of	
		understand the	Sporting Events	
		exercise	Unit-2 Children and Women	
		guidelines of WHO	in sports	
		for	Unit-3 Yoga as Preventive	
		different age groups	measure for Lifestyle Disease	
July	Unit-3 Yoga as	❖ To make	Unit- 4 Physical Education	
•	Preventive measure	students	and Sports for CWSN	
	for Lifestyle Disease	Understand about the	Unit- 5 Sports and Nutrition	
	Unit 4 Physical	main life style	Unit- 6 Test and measurement	
	Education and Sports	disease -	in Sports	
	for CWSN (Children	Obesity,	Unit-10 Training in Sports	

Physics Syllabus

1 119 510		TERM-II	
September		1. To find the value of v for different	
September	8. Electromagnetic	values of u in case of a concave	PA-II
	Waves	mirror and to find the focal length.	8.Electromagnetic
	9. Ray Optics and	initiof and to find the focal length.	Waves
	Optical		9. Ray Optics and
	instruments.(cont)		Optical instruments
October	9. Ray Optics and	2.To find the focal length of a convex	Optical instruments
October	Optical	lens by plotting graphs between u and	
	instruments.(cont)	v or between 1/u and 1/v.	
	10. Wave Optics	v or between 1/4 and 1/v.	
	11. Dual Nature of		
	Matter and		
	radiation(contd.)		
November	11. Dual Nature of	3.To determine angle of minimum	
1,0,0,0,0,0	Matter and radiation.	deviation for a given prism by	
	12.Atom	plotting a graph between angle of	
	13.Nuclie.	incidence and angle of deviation.	
		4. To find the refractive index of a	
		liquid using a concave mirror and a	
		plane mirror.	
		5. To draw the I-V characteristic	
		curve for a p-n junction diode in	
		forward and reverse bias	
December	14. Semiconductors		Annual
			 Electric Charges
January	Revision		and Fields and
			2. Electrostatic
February	Revision &		Potential and
	Annual Exam		Capacitance.
			3. Current
			Electricity
			4. Moving Charges
			and Magnetism
			5.Magnetism and
			Matter
			6.Electromagnetic
			Induction
			7.Alternating
			Current
			8.Electromagnetic
			Waves
			9. Ray Optics and Optical instruments
			10. Wave Optics
			11. Dual Nature of
			Matter and radiation
			12.Atom
			12.Atom 13.Nuclie
			14. Semiconductors.
			17. Semiconductors.
	1		I

Painting Syllabus

MONTH	CONTENT	PRACTICALS/ PROJECT/AIP	ASSESSMENTS
March	Unit – 1,	Still life	PA-I
April	The Rajasthani and Pahari	Composition	(10% of the Entire
(PA-I)	School of Miniature Painting	-	Syllabus)
June	Unit- 2,	Still life	Unit – 1, Still life- 2
July	The Mughal and Deccan	Composition	Composition - 2
August	School of Miniature Painting		Half Yearly
September	Unit – 3,		(50% of the Entire Syllabus)
	The Bengal School of		Unit – 1,2, Still life – 10
	Painting		Composition - 10
			PA -II
			(70% of the Entire Syllabus)
			Unit – 1,2,3, Still life – 15
			Composition - 15
October	Unit − 3 ,	Still life	Annual Exam
November	The modern Trends in Indian	Composition	(100% of the Entire Syllabus)
December	Art		Unit – 1,2,3
January			Still life – 20
			Composition - 20
			Prelim-II
			(100% of the Entire Syllabus)
			Unit – 1,2,3

Computer Syllabus

MONTH	CONTENT	PRACTICALS/PROJECT	ASSESSMENTS
March	Chap. 1: Python	1. Python program on matrix	PA-I
	Revision Tour I	addition, subtraction &	(write here)
		multiplication	
April	Chap. 2 : Python	1. program to take a string with	Chap 1 to 3
	Revision Tour II	multiple words & convert first	
	Chap. 3: Working	character of each word in capital	
	with function	2. program to take a list and arrange	
		even & odd elements of list in two	
		different list.	
		3. Python program based on	
		function like calculation of area	
т	C1 4 .1	,use of arithmetic operator	XX 10XZ 1
June	Chap. 4: python	1. Python program to import	Half Yearly
	library	Python modules and library	(write here)
	(Modules &	2. Python program to create, write	Ch 1 4- 11
	library)	& read a text & binary file.	Chap 1 to 11
	Chap. 5: file handling(Text &	3. To count no. words from the file 4. Creating Binary file	
	Binary file)		
	Billary life)	5. Writing & reading data in Binary file.	
July	Chap. 6: Recursion	1. Program showing Binary	
July	Chap 7: idea of	recursion	
	Algorithmic	2. Program showing Fibonacci	
	efficiency	recursion	
	Chap -8: Data	3. Write a algo to implement binary	
	Structure	search	
	Chap 9: Data	4. write a algo to implement all	
	structure	operation of stacks and Queue.	
		5.Program on searching element	
		from list (binary & linear search)	
August	Chap 10:	Creating database and tables	
	Relational	2. Select query with all clause	
	database	3. Write update & delete command	
	Chap 11: Simple	to modify & delete record	
	queries in SQL		
September	Chap 12: Table	1. Creating database and tables with	
	creation and data	all constraints	
	manipulation	2. Alter with all option	
	command	3. Drop with all option	
October	Chap 13:	1. Group by queries with all options	PRELIM-I & II
	Grouping, Join in	2. Write a query to join two table	(write here)
	SQL	depending on condition	61 1 15
	Chap 14: Interface	(all join queries)	Chap 1 to 15
	python with Mysql	3. Program to show all records of	
		database	
		4. Program to insert records in	
		database	
		5. Program to update specific records	
		6. Programs to delete a records	
November	Chap 15. : Society	o. 1 rograms to defete a records	
November	Laws & ethics		
	Laws & Cuiles		

Physics Syllabus

MONTH	CONTENT	A CTIVITIES AND	ACCECCMENTS		
MONTH	CONTENT	ACTIVITIES AND PRACTICALS	ASSESSMENTS		
	TERM- I				
March	1: Electric Charges and Fields and 2. Electrostatic Potential and Capacitance (continued)	1.To determine resistivity of two / three wires by plotting a graph for potential difference versus current.	PA-I 1: Electric Charges and Fields and 2. Electrostatic Potential and Capacitance		
April	2. Electrostatic Potential and Capacitance 3. Current Electricity (Continued)	2. To find resistance of a given wire / standard resistor using metre bridge. 3. To verify the laws of combination (series) of resistances using a metre bridge. 4. To verify the laws of combination (parallel) of resistances using a metre bridge			
May	3. Current Electricity	5.To determine resistance of a galvanometer by half-deflection method and to find its figure of merit			
June	4. Moving Charges and Magnetism(cont)	1. To assemble a household circuit comprising three bulbs, three (on/off) switches, a fuse and a power source. 2. To assemble the components of a given electrical circuit. 3. To study the variation in potential drop with length of a wire for a steady current. 4.To draw the diagram of a given open circuit comprising at least a battery, resistor/rheostat, key, ammeter and voltmeter. Mark the components that are not connected in proper order and correct the circuit and also the circuit diagram	Half Yearly 1: Electric Charges and Fields and 2. Electrostatic Potential and Capacitance. 3. Current Electricity 4. Moving Charges and Magnetism 5.Magnetism and Matter 6.Electromagnetic Induction 7.Alternating		
July	4.Moving Charges and Magnetism. 5.Magnetism and Matter	1.To identify a diode, an LED, a resistor and a capacitor from a mixed collection of such items. 2. Use of multimeter to see the unidirectional flow of current in case of a diode and an LED and check whether a given electronic component (e.g., diode) is in working order. 3.To study the nature and size of the image formed by a (i) convex lens, or (ii) concave mirror, on a screen by using a candle and a screen (for different distances of the candle from the lens/mirror). 4. To observe refraction and lateral deviation of a beam of light incident obliquely on a glass slab.	Current		
August	6: Electromagnetic Induction 7: Alternating Current	100000000000000000000000000000000000000			
September	Revision & Half Yearly Exam				