



# INTERNATIONAL PUBLIC SCHOOL

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

## SYLLABUS BIFURCATION OF Class XII (Science)



For  
**Monthly**  
**Weekly**  
**Co-scholastic Syllabi**  
Please visit <http://www.internationalpublicschools.in>

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**Session 2025-26**

## English Syllabus

MONTH	CONTENT	ASSESSMENTS
March	1. The Last Lesson (Flamingo) 2. The Third Level (Vistas)	PA-I 1. (The Last Lesson (Flamingo) 2. The Third Level (Vistas) 3. Poem: My Mother at Sixty – Six • Notice Writing
April	3. My Mother at Sixty-Six (F) 4. Lost Spring (F) 5. The Tiger King (V) • Writing Skills - Notice	
June	6. Poem: Keeping Quiet (F) 7. Deep Water (F)	
July	8. The Rattrap (F) 9. Journey to the End of the Earth (V) 10. Poem: A Thing of Beauty (F) • Writing Skills – Invitation and Replies (Formal & Informal)	Half Yearly 1. The Last Lesson 2. Lost Spring 3. Deep Water 4. The Rattrap 5. Poem: My Mother at Sixty-Six 6. Poem: Keeping Quiet 7. Poem: A Thing of Beauty 8. The Third Level 9. The Tiger King 10. Journey to the End of the Earth 11. The Enemy 12. Indigo Writing Skills – • Notice • Invitation & Replies • Article • Report
August	11. Indigo (F) 12. The Enemy (V) Writing Skills- • Article • Report • ASL	
September	Revision	
October	13. On the Face of It (V) 14. Poets and Pancakes (F) Writing Skills - Letter to Editor	
November	15. The Interview (F) 16. Poem: A Roadside Stand (F) 17. Memories of Childhood (V) Writing Skills – Job Application & Resume	Prelim - 1 1. The Last Lesson 2. The Lost Spring 3. Deep Water 4. The Rattrap 5. Indigo 6. Poets and Pancakes 7. The Interview 8. The Third Level 9. The Tiger King 10. Journey to the End of the Earth

## 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, समयचक्र, धमार		
July	राग शुद्धसारंग, जीवनी, नोटेशन राईटिंग		<b>Periodic Assessment</b> (40% of the Entire Syllabus)
August	राग बागेश्री, संगीत पारिजात, संगीत रत्नाकर		
September	राग बागेश्री, ताल धमार	PRACTICALS	Half Yearly (70% of the Entire Syllabus)
October	राग भैरव, तराना, ताल रूपक,		
November	राग रागिणी, नोटेशन राईटिंग, तानपुरे की जानकारी	PRACTICALS	Prelim-I (90% of the Entire Syllabus)
December	लोकगीत, भजन		
January	रिविजन	PRACTICALS	Prelim-II (100% of the Entire Syllabus)

## Web Application Syllabus

TERM-II			
September	<b>Part A</b> <b>Chap 4:</b> Entrepreneurial Skills	Activity XIII - Creativity Think of 10 unconventional uses of the following objects.... 1. Paper Clip 2. Tennis Ball 3. Clothes Hanger 4. Feather 5. Water bottle	Prelim I Part A : Chapter 1 to 4 Part B : Chapter 1 to 4
October	<b>Part B</b> <b>Chap 3:</b> Graphic designing using canva and adobe express	Using Canva do the following 1. Create a poster for “Animal Protection Against Cruelty” using a template 2. Create a presentation about “The National Education Policy” using a blank presentation 3. Create video about “Indian Startups” using a template and also generate an audio track using AI.	
November	<b>PART B</b> <b>Chap 4:</b> Cyber safety and security	Divide the class into groups and perform a role play based on some real-life cyber-crime that took place around you. Use an online plagiarism software to check your work.	
December	<b>Part A</b> <b>Chap 5 :</b> Green Skills	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	Prelim -II All Course Part A: Unit 1 TO Unit 5 Part B: Unit 1 To Unit 4
January	Revision	Practical file & project	
February	Revision	Practical file & project	

## English Syllabus

		11. The Enemy 12. On the Face of It 13. Poem: My Mother at Sixty – Six 14. Poem: Keeping Quiet 15. A Thing of Beauty 16. Poem: A Roadside Stand Writing Skills – <ul style="list-style-type: none"> <li>• Notice</li> <li>• Invitation and Replies</li> <li>• Article</li> <li>• Report</li> <li>• Letter to the Editor</li> </ul> Job Application and resume
December	18. Going Places 19. Poem : Aunt Jennifer’s Tigers <ul style="list-style-type: none"> <li>• ASL</li> </ul>	Prelim -II 1. The Last Lesson 2. The Lost Spring 3. Deep Water 4. The Rattrap 5. Indigo 6. Poets and Pancakes 7. The Interview 8. The Third Level 9. The Tiger King 10. Journey to the End of the Earth 11. The Enemy 12. On the Face of It 13. Poem: My Mother at Sixty – Six 14. Poem: Keeping Quiet 15. A Thing of Beauty 16. Poem: A Roadside Stand 17. Memories of Childhood 18. Going Places 19. Poem: Aunt Jennifer’s Tigers Writing Skills – <ul style="list-style-type: none"> <li>• Notice</li> <li>• Invitation and Replies</li> <li>• Article</li> <li>• Report</li> <li>• Letter to the Editor</li> <li>• Job Application and resume</li> </ul>
January		

## Tourism Syllabus

MONTH	CONTENT	ACTIVITIES (MA/SEA)	ASSESSMENTS
TERM- I			
March	Subject Specific Skills- Unit -1 <b>Introduction to Travel &amp; Tour Operations Business</b> Employability Skills- Unit -1 Communication	Practical	PA-I Unit -1 <b>Introduction to Travel &amp; Tour Operations Business</b>
April	<b>Subject Specific Skills- Unit-2 Operations of Travel Agency</b> Employability Skills- Unit-2 Self-Management		<b>Unit-2 Operations of Travel Agency</b>
June	Subject Specific Skills- Unit-3 <b>Transport Network</b> Unit-4 <b>Itinerary Planning</b>	Practical	Half Yearly Subject Specific Skill- Unit 1 to 4
July	Employability Skills- Unit 3- ITC		
August	Subject Specific Skills- Unit -5 Tour Packaging & Programming		Employability Skills- Unit 1 to 3
September	Revision & Half Yearly Exam		
TERM-II			
September	Subject Specific Skills- <b>Unit -6 Package Tour Costing</b>		Prelim I (90 % Syllabus)
October	Subject Specific Skills- <b>Unit -7 Government &amp; Professional Bodies</b> <b>Employability Skills- Unit 4- Entrepreneurship</b>	Practical	
November	Subject Specific Skills- Unit -8 Global Distribution System Employability Skills- Green Skills		
December	Employability Skills- Green Skills		Prelim II Subject Specific Skills-
January	Revision		Skills-
February	Revision & Annual exam		Unit 1 to 8 Employability Skills- Unit 1 to 5 Practical

## Web Application Syllabus

MONTH	CONTENT	ACTIVITIES (MA/SEA)	ASSESSMENTS
<b>TERM-I</b>			
March	<b>Part B Chap 2– JAVASCRIPT PART 2</b>	Java Script to add two number Java Script with if---Else Java Script with switch Java Script with loop	PA-I Part B: Chap 2 : Javascript Part 2
April	<b>Part B Chap 2: JAVASCRIPT PART 2</b> continue....	Java Script using maths function Java Script using Array ( all method of array	Half Yearly Part A: Chap 1 to Chap 3 Part B: Chap 2
June	<b>Part A</b> Employability Skills <b>Chap 1</b> : Communication Skills-	Group Discussion Designing poster on steps of Active Listening	
July	<b>Part A Chap 2: Self-Management Skills- Chap 3: ICT Skills</b>	Session A. Group Discussion on identifying needs and desires in general Session B. Discussion on sources of motivation and 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. b. Filter the data to view only those rows where height is more than 8500 m	
August	<b>Part B Chap 1: Emerging trends</b>	Field Trips to explore IIOT in various Industries.	
September	Revision & Half Yearly Exam		



## Yoga Syllabus

		-Expeditionary learning.	
August	<p>Concept of healthy living style in Bhagavad Gita.</p> <p>Importance of subjective experience in daily Yoga practice.</p>	<p>-Lecture-based instruction,</p> <p>-Technology-based learning,</p> <p>-Group learning,</p> <p>-Individual learning,</p> <p>-Inquiry-based learning,</p> <p>-Kinesthetic learning,</p> <p>-Game-based learning and</p> <p>-Expeditionary learning</p>	
September	<p><b>UNIT 3—</b> Yoga for health promotion - II</p> <p>Introduction to first aid and CPR</p> <p>Yogic management of stress and its consequences</p>	<p>-Lecture-based instruction,</p> <p>-Technology-based learning,</p> <p>-Group learning,</p> <p>Individual learning,</p> <p>-Inquiry-based learning,</p> <p>-Kinesthetic learning,</p> <p>-Game-based learning and</p> <p>-Expeditionary learn</p>	
TERM-II			
October	<p>Yogic prevention of common diseases</p> <p>Yoga and personality development</p>	<p>-Lecture-based instruction,</p> <p>-Technology-based learning,</p> <p>-Group learning,</p> <p>Individual learning,</p> <p>-Inquiry-based learning,</p>	Prelim I (90% Syllabus)
November	<ul style="list-style-type: none"> <li>• Dhanurasana</li> <li>• Shalabhasana</li> <li>• Sarvangasana</li> <li>• Tadasana</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture-based instruction</li> <li>• Group learning</li> <li>• Inquiry-based learning,</li> </ul>	
December	<ul style="list-style-type: none"> <li>• Vrakashaasana</li> <li>• Bhujangasana</li> <li>• Mayurasana</li> <li>• Bakaasana</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture-based instruction</li> <li>• Group learning</li> <li>• Inquiry-based learning,</li> </ul>	Prelim II (Full Syllabus)
January	<p>-Trikone asana</p> <p>-Halaasana</p>	<ul style="list-style-type: none"> <li>• Lecture-based instruction</li> <li>• Group learning</li> <li>• Inquiry-based learning,</li> </ul>	
February			

## 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 9.Applications 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	<b><u>Chapter 2:</u></b> Sexual Reproduction in Flowering Plants <b><u>Chapter 3:</u></b> Human Reproduction	<ul style="list-style-type: none"> <li>Prepare a temporary mount to observe pollen germination</li> <li>Pollination of different agencies</li> <li>Controlled pollination Emasculation bagging and Tagging</li> </ul>	<b>PA-I EXAM</b> <b><u>Chapter 2:</u></b> Sexual Reproduction in Flowering Plants <b><u>Chapter 3:</u></b> Human Reproduction
April	<b><u>Chapter 4:</u></b> Reproductive Health <b><u>Chapter 5:</u></b> Principles of Inheritance and Variation	<ul style="list-style-type: none"> <li>Identification of T.S. of testis. T.S. of blastula and T.S. of ovary through permanent slides</li> <li>Prepare a temporary mount of onion root tip to study mitosis</li> </ul>	
June	<b><u>Chapter 6:</u></b> Molecular Basis of Inheritance <b><u>Chapter 7:</u></b> Evolution	<ul style="list-style-type: none"> <li>Mendelian inheritance using seeds of different color /sizes of any plant</li> <li>Isolate DNA from available plant material</li> <li>Flash cards models showing examples of homologous and analogous organs</li> </ul>	
July	<b><u>Chapter 8:</u></b> Human Health and Disease <b><u>Chapter 10:</u></b> Microbes in Human Welfare	<ul style="list-style-type: none"> <li>Common disease-causing organisms Like Ascaris, Entamoeba, Plasmodium, Roundworm through Permanent slides.</li> <li>Study of pedigree charts</li> </ul>	
August	<b><u>Chapter 11:</u></b> Principle of Biotechnology, Recombinant <b><u>Chapter 12:</u></b> Biotechnology and its Applications.		

## Yoga Syllabus

MONTH	CONTENT	ACTIVITIES (MSA/SEA)	ASSESSMENTS
<b>TERM- I</b>			
March	<b>Unit 1 –</b> Introduction to yoga and Yogic practices— II  <b>Shatkarma</b> - meaning, purpose and their significance in Yoga sadhana.	- Lecture-based instruction, Technology-based learning, Group learning,	PA-I
April	<b>Yogasana</b> - meaning, principle and their health benefit.  Introduction to Pianaynama and Dhyana and their health benefits.  Identify career opportunities in Yoga.	Lecture-based instruction, Individual learning, Group learning,	
June	<b>UNIT 2—</b> INTRODUCTION TO YOGA TEXTS — II  Concepts of Aahara (Diet) according Yogic text  Significance of Hath Yoga practices in Health promotion	Lecture-based instruction, Group learning,	Half Yearly
July	Concept of mental health well-being according to Patanjali Yoga  Yogic practice of Patanjali yoga: Bahiranga and Antranga Yoga	- Lecture-based instruction, Technology-based learning, Group learning, Individual learning, Inquiry-based learning, Kinesthetic learning, Game-based learning and	

## Psychology Syllabus

MONTH	CONTENT	PRACTICALS	ASSESSMENTS
<b>TERM- I</b>			
March	Chapter-2 Self and Personality	Practical: Self-Concept	PA-I Chapter-2 Self and Personality
April	Chapter-4 Psychological Disorders	Practical-Emotional Intelligence	
June	Chapter-5 Therapeutic Approaches	Practical-Aggression Scale	Half Yearly Chapter-1 Variations in Psychological
July	Chapter-1 Variations in Psychological Attributes	Practical: Anxiety scale	Attributes Chapter-2 Self and Personality
August	Chapter-3 Meeting Life Challenges	Practical: Stress management	Chapter-3 Meeting Life Challenges Chapter-4 Psychological Disorders
September	Revision		Chapter-5 Therapeutic Approaches
<b>TERM-II</b>			
October	Chapter-6 Attitude and Social Cognition	Practical-Adjustment Inventory	Prelim 1 Whole syllabus
November	Chapter-7 Social Influence and Group Processes	Big Five Personality Test	
December	Revision		Prelim 2 Whole syllabus
January	Revision		
February	Revision		

## Biology Syllabus

September	<b>Chapter 13:</b> Organisms and Population	<p>Symbiotic association in root modules of leguminous plants, Cuscuta on host, lichens.</p> <ul style="list-style-type: none"> <li>Study the plant population density - quadrat method.</li> </ul>	<p>Half Yearly Exam <b>Chapter 2:</b> Sexual Reproduction in Flowering Plants <b>Chapter 3:</b> Human Reproduction <b>Chapter 4:</b> Reproductive Health <b>Chapter 5:</b> Principles of Inheritance and Variation <b>Chapter 6:</b> Molecular Basis of Inheritance <b>Chapter 7:</b> Evolution <b>Chapter 8:</b> Human Health and Disease <b>Chapter 10:</b> Microbes in Human Welfare <b>Chapter 11:</b> Principle of Biotechnology, Recombinant <b>Chapter 12:</b> Biotechnology and its Applications <b>Chapter 13:</b> Organisms and Population</p>
October	<b>Chapter 14:</b> Ecosystem <b>Chapter 15:</b> Biodiversity and Conservation	<ul style="list-style-type: none"> <li>Study the plant population frequency by quadrant method.</li> </ul>	
November	<b>Chapter 15:</b> Biodiversity and Conservation		Prelim-I Chapter 1 to 14
December		Revision	
January			Prelim – II Chapter 1 to 15 (whole syllabus)

# Chemistry Syllabus

MONTH	CONTENT	ACTIVITIES (MSA/SEA/ PRACTICALS/ PROJECT)	ASSESSMENTS
March	Unit - 1 Solutions Unit 9 Haloalkanes and haloarenes	Volumetric Analysis	PA-I Unit - 1 Solutions Unit 0 6
April	Unit 6 : Haloalkanes and haloarenes Unit -7: Alcohol, Phenol and Ether.	Volumetric Analysis	Haloalkanes and haloarenes
June	Unit -7 : Alcohol, Phenol and Ether. Unit 2 Electrochemistry	Salt Analysis	Half Yearly Unit - 1 Solutions Unit 2 Electrochemistry
July	Unit 2 Electrochemistry Unit 4 d- block Elements	Salt Analysis	Unit 4 d- block Elements Unit 0 6
August	Unit 8 Co-ordination compounds Unit 3 Chemical Kinetics	Salt Analysis	Haloalkanes and haloarenes Unit -7 Alcohol, Phenol and Ether.
September	Unit 3 Chemical Kinetics	Salt Analysis Chromatography	
October	Unit 11 Aldehyde, Ketones & Carboxylic acid Unit 12 Nitrogen containing compounds	Salt Analysis Chromatography	
November	Unit 12 Nitrogen containing compounds Unit 14: .Biomolecules	Functional Group Detection.	Prelim - 1 Unit - 1 Solutions Unit 2 Electrochemistry Unit 4 d- block Elements Unit 6 Haloalkanes and haloarenes Unit -7 Alcohol, Phenol and Ether. Unit 8 Co-ordination compounds unit 3 Chemical Kinetics, Unit 11 Aldehyde, Ketones and Carboxylic acid. Unit 12 Nitrogen containing compounds
December	Revision	Functional Group Detection.	Prelim - 2 Unit - 1 Solutions Unit 2 Electrochemistry Unit 4 d- block Elements Unit 6 Haloalkanes and haloarenes Unit -7 Alcohol, Phenol and Ether. Unit 8 Co-ordination compounds unit 3 Chemical Kinetics, Unit 11 Aldehyde, Ketones and Carboxylic acid. Unit 12 Nitrogen containing compounds Unit 14 Biomolecules
January	Revision	Functional Group Detection	Prelim - III Unit - 1 Solutions Unit 2 Electrochemistry Unit 4 d- block Elements Unit 6 Haloalkanes and haloarenes Unit -7 Alcohol, Phenol and Ether. Unit 8 Co-ordination compounds unit 3 Chemical Kinetics, Unit 11 Aldehyde, Ketones and Carboxylic acid. Unit 12 Nitrogen containing compounds Unit 14 .Biomolecules

# Physical Education Syllabus

MONTH	CONTENT	ACTIVITIES (MSA/SEA)	ASSESSMENTS
TERM- I			
March	<b>Unit 1</b> – Management of Sporting Events	- Lecture-based instruction, - Technology-based learning, -Group learning,	PA-I (Unit- 1 and 6)
April	<b>Unit-6</b> Test & Measurement in Sports	Lecture-based instruction, Technology-based learning,Group learning,	
June	<b>Unit -3</b> Yoga as Preventive measure for Lifestyle Disease <b>Unit- 2</b> Children & Women in Sports	Lecture-based instruction, Technology-based learning,Group learning,	Half Yearly (Unit- 1,2,3,4,5,6 and 10)
July	<b>Unit-10</b> Training in Sports <b>Unit-4</b> Physical Education and Sports for CWSN (Children with Special Needs - Divyang)	- Lecture-based instruction, - Technology-based learning, Group learning, -Individual learning, -Inquiry-based learning, -Kinesthetic learning, - Game-based learning -Expeditionary learning.	
August	<b>Unit-5</b> Sports & Nutrition	-Lecture-based instruction, -Technology-based learning, -Group learning, -Individual learning, -Inquiry-based learning, -Kinesthetic learning, -Game-based learning and -Expeditionary learning	
September	<b>Unit-7</b> Physiology & Injuries in Sport	-Lecture-based instruction, -Technology-based learning, -Group learning, Individual learning, -Inquiry-based learning, -Kinesthetic learning, -Game-based learning -Expeditionary learn	
TERM-II			
October	<b>Unit-8</b> Biomechanics and Sports		Prelim- 1
November	<b>Unit-9</b> Psychology and Sports		
December			Prelim- 2
January			
February			

## Physics Syllabus

August	6: Electromagnetic Induction 7: Alternating Current		
September	Revision & Half Yearly Exam		
TERM-II			
September	8. Electromagnetic Waves 9. Ray Optics and Optical instruments.(cont..)	1. To find the value of $v$ for different values of $u$ in case of a concave mirror and to find the focal length.	Prelim I (90% Syllabus)
October	9. Ray Optics and Optical instruments.(cont..) 10. Wave Optics 11. Dual Nature of Matter and radiation (contd.)	2.To find the focal length of a convex lens by plotting graphs between $u$ and $v$ or between $1/u$ and $1/v$ .	
November	11. . Dual Nature of Matter and radiation. 12.Atom 13.Nuclie.	3.To determine angle of minimum deviation for a given prism by plotting a graph between angle of 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		
January	Revision		Prelim II (Full Syllabus)
February	Revision & Annual exam		

## Painting Syllabus

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

# Computer Syllabus

MONTH	CONTENT	ACTIVITIES (MA/SEA)	ASSESSMENTS
TERM- I			
March	Chap. 1: Python Revision Tour I Chap. 2 : Python Revision Tour II	1. program to print a table of two column that help converting miles into kilometers 2. program to take a string with multiple words & convert first character of each word in capital 3. program to take a list and arrange even & odd elements of list in two different list.	PA-I  Chap 1 to 3
April	Chap. 3: Working with function	1. Convert first character of each word in capital. 2. Program to show bubble sorting tech. 3. define a function to calculate Fibonacci series 4. define a function to calculate area of rectangle ,triangle, & circle depending on choice	
June	Chap. 4: python library Chap. 5: file handling	1. Creating text file 2. Writing & reading data in text file. Counting no. of word from file 3. Creating Binary file 4. Writing & reading data in Binary file	Half Yearly Chapm 1 to 9
July	Chap 6: Recursion Chap 7: idea of Algorithmic efficiency	1. Program showing Binary recursion 2. Program showing Fibonacci recursion	
August	Chap -8: Data Structure LINIER LIST Chap 9: Data structure	1. Program on deleting elements 2.Program on searching element from list (binary & linear search) 2. Python program to implement queue & stacks	
September	Revision & Half Yearly Exam		
TERM-II			
September	Chap 11: Relational database Chap 12: Simple queries in SQL	1. Creating database and tables	Prelim I <b>Chap 11 &amp; 14</b>
October	Chap 12: Continue..... Chap 13: Table creation and data manipulation command	1. Select query with all clause 1. Write update & delete command to modify & delete record 1. Mysql function String, date & numerical	
November	Chap 14: Grouping , Join in SQL Chap 15: Interface python with Mysql Chap 16. : Society Laws & ethics	1. Group by queries with all options 1. Write a query to join two table depending on condition (all join queries)	
December	Chap 16. : Society Laws & ethics Continue.....	Practical file	Prelim II  All Course Chap 1 to 16
January	Revision	MSA-2	
February	Revision & Annual Exam		

# Physics Syllabus

MONTH	CONTENT	ACTIVITIES AND PRACTICALS	ASSESSMENTS
<b>TERM- I</b>			
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 Current
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.	