



**Bharatiya Vidya  
Bhavan's**

**S. RAMAKRISHNAN MEMORIAL PUBLIC SCHOOL**

**AKAMALA**



**SYLLABUS BOOK**

**2025-26**

**CLASS X**

**SUBJECT:- ENGLISH LANGUAGE AND LITERATURE**

**TEXTBOOK: FIRST FLIGHT [TEXT BOOK]**

**FOOTPRINTS WITHOUT FEET [SUPPL. READER]**

<b>EXAM I</b>		
<b>EXAM/MONTH</b>	<b>TOPIC</b>	<b>LEARNING OUTCOME</b>
<b>PERIODIC ASSESSMENT - I</b>  <b><u>SYLLABUS OF PA- I</u></b>  <b>First Flight: Unit 1, 2 &amp; 3</b>  <b>Footprints Without Feet: Unit 1, 2 &amp; 3</b>	<b>FIRST FLIGHT:</b>  1. A LETTER TO GOD    DUST OF SNOW [POEM]    FIRE AND ICE [POEM]    2. NELSON MANDELA: LONG WALK TO FREEDOM   A TIGER IN THE ZOO [POEM]   3. TWO STORIES ABOUT FLYING  I – HIS FIRST FLIGHT  II – BLACK AEROPLANE    HOW TO TELL WILD ANIMALS [POEM]	Child will be able to  Identify the importance of faith.  Comprehend to write diary in simple English.   Write their feelings in the form of short poems.  Speak confidently.   Identify and appreciates significant literary elements - metaphor, imagery, symbol, simile, intention / point of view, rhyme scheme, etc   Identify the importance of freedom and its value.   Differentiate the dangers of deforestation and blessings of forestation.   Write the story with appropriate fluency and language.  Narrate in fluent language.  Write paragraphs, narratives, etc. by planning revising, editing, rewriting and finalizing.   Identify the features of wild animals.

	THE BALL POEM [POEM]	Sensitize them to cope with the problems of life especially the knowledge of loss.
	<b>FOOTPRINTS WITHOUT FEET:</b> 1. A TRIUMPH OF SURGERY 2. THE THIEF’S STORY 3. THE MIDNIGHT VISITOR	Sensitize the learner not to spoil anyone by giving too much things.  Value the importance of education  Read detective stories and related information about secret agents.
<b>EXAM II</b>		
<b>PERIODIC ASSESSMENT – II</b>  <u><b>SYLLABUS OF PA- II</b></u>  <b>First Flight: Exam I + Unit 4 &amp; 7</b>  <b>Footprints Without Feet: Exam I + Unit 4, 5 &amp; 6</b>	<b>FIRST FLIGHT:</b> 4. FROM THE DIARY OF ANNE FRANK  AMANDA [POEM]  7. GLIMPSES OF INDIA I – A BAKER FROM GOA II – COORG III – TEA FROM ASSAM THE TREES [POEM]	Write diary in simple language. Collect the holocaust victims’ details.  Identify the importance of individual opinions especially in child’s view point.  Identify the details and writes appropriately. Identify the importance of culture and history related to the places given. Speak /write on variety of themes in order to demonstrate command over language. Learn to communicate through letters.
	<b>FOOTPRINTS WITHOUT FEET:</b> 4. A QUESTION OF TRUST  5. FOOTPRINTS WITHOUT FEET  6. THE MAKING OF A SCIENTIST	Sensitize the learner not to trust anyone without finding out the person.  Discriminate the good from the evil.  Sensitize the learner with perseverance, dedication, and hard work.

<b>EXAM III</b>		
<p><b>PERIODIC ASSESSMENT – III</b></p> <p><b><u>SYLLABUS OF PA- III</u></b></p> <p><b>First Flight: Exam I + Exam II + Unit 8, 9 &amp; 10</b></p> <p><b>Footprints Without Feet: Exam I + Exam II + Unit 7 &amp; 9</b></p>	<p><b>FIRST FLIGHT:</b></p> <p>8. MIJBIL THE OTTER</p> <p>FOG [POEM]</p> <p>9. MADAM RIDES THE BUS</p> <p>THE TALE OF CUSTARD THE DRAGON [POEM]</p>	<p>Develop the skill of writing in descriptive form.</p> <p>Identify the poetic devices used in the poem.</p> <p>Read a variety of texts- Eg adventurous stories.</p> <p>Speak /write on variety of themes in order to demonstrate command over language, reading and research skills, and critical thinking skills.</p> <p>Sensitize the students to the fact that death is the ultimate truth in the world.</p> <p>Identify and appreciates significant literary elements - metaphor, imagery, symbol, simile, intention / point of view, rhyme scheme, etc</p>
	<p><b>FOR ANNE GREGORY [POEM]</b></p>	<p>Identify and appreciates significant literary elements - metaphor, imagery, symbol, simile, intention / point of view, rhyme scheme, etc</p>
	<p><b>FOOTPRINTS WITHOUT FEET:</b></p> <p>7. THE NECKLACE</p> <p>9. BHOLI</p>	<p>Sensitize the value - satisfaction is the key to happiness.</p> <p>Identify dowry is a social abuse and any disabled should not be made fun of etc.</p>
<b>EXAM IV</b>		
<p><b>Model Examination I (100% Syllabus)</b></p> <p><b>Model Examination II (100% Syllabus)</b></p> <p><b>100% Syllabus will be there for Board Exam</b></p>	<p><b>FIRST FLIGHT:</b></p> <p>11. THE PROPOSAL</p>	<p>Write scripts and participates in role play, skit, street plays, child labour and promotion of literacy etc</p>
	<p><b>FOOTPRINTS WITHOUT FEET:</b></p> <p>10. THE BOOK THAT SAVED THE EARTH</p>	<p>Identify the value half-fed knowledge is always dangerous.</p>

മലയാളം

കേരള പാഠാവലി, അടിസ്ഥാനപാഠാവലി

EXAM/MONTH	TOPIC	LEARNING OUTCOME
<p>PERIODIC ASSESSMENT -I കേരള പാഠാവലി, അടിസ്ഥാന പാഠാവലി</p> <p><b>SYLLABUS OF PERIODIC ASSESSMENT -I</b> കേരള പാഠാവലി:1,2 അടിസ്ഥാന പാഠാവലി :3</p>	<p>1.ലക്ഷ്യസാക്ഷ്യം</p> <p>2. കടൽത്തീരത്ത്</p> <p>3.പ്ലാവിലക്കഞ്ഞി</p> <p>വ്യാകരണം അംഗ അംഗി വാക്യങ്ങൾ</p>	<p>ലോക ജീവിതം അസ്ഥിരവും, നശ്യമാണെന്ന തിരിച്ചറിവുണ്ടാവുന്നതോടൊപ്പം അറിവുകൊണ്ട് കോപത്തെ നിയന്ത്രിക്കേണ്ടത് മനസ്സിലാക്കി കുട്ടികൾ ഉപന്യാസം തയ്യാറാക്കുന്നു</p> <p>പാവപ്പെട്ടവനും നിരക്ഷരനും ആയ വെള്ളായീയപ്പന്റെ കഥ കുട്ടികൾ മനസ്സിലാക്കി ആശയപടം കുട്ടികൾ തയ്യാറാക്കുന്നു</p> <p>എല്ലാമുറിയെ പണിയെടുത്തിട്ടും പട്ടിണി കിടക്കേണ്ടിവരുന്ന കർഷകത്തൊഴിലാളികളുടെ പ്രശ്നങ്ങൾ മനസ്സിലാക്കി കുട്ടികൾ പ്രഭാഷണം തയ്യാറാക്കുന്നു</p>
<p>PERIODIC ASSESSMENT -II കേരള പാഠാവലി</p> <p><b>SYLLABUS OF PERIODIC ASSESSMENT -II</b> PA I + കേരള പാഠാവലി:4,5 പാഠങ്ങൾ</p>	<p>4. പ്രിയദർശനം</p> <p>5. യുദ്ധത്തിന്റെ പരിണാമം</p> <p>വ്യാകരണം പ്രയോഗം</p>	<p>സ്നേഹത്തിന്റെ മഹത്വവും വ്യാപ്തിയും തിരിച്ചറിഞ്ഞ് കുട്ടികൾ കഥാപാത്ര നിരൂപണം തയ്യാറാക്കുന്നു.</p> <p>മനുഷ്യ ചരിത്രത്തിൽ യുദ്ധം വരുത്തി വയ്ക്കുന്ന ഭീകരത വർണ്ണിക്കാനാണ് വ്യാസൻ ഭാരതേതിഹാസം രചിച്ചത് എന്ന അറിവു നേടി യുദ്ധത്തിനെതിരായ പ്ലക്കാർഡുകൾ കുട്ടികൾ തയ്യാറാക്കുന്നു</p>

<p>PERIODIC ASSESSMENT -III കേരളപാഠാവലി അടിസ്ഥാന പാഠാവലി</p> <p><b>SYLLABUS OF PERIODIC ASSESSMENT -III PA I +PA II</b> അടിസ്ഥാന പാഠാവലി:6 കേരള പാഠാവലി:7</p>	<p>6. അമ്മത്തൊട്ടിൽ</p> <p>7.പാവങ്ങൾ</p> <p>വ്യാകരണം വാക്യത്തിൽ തെറ്റുണ്ടെങ്കിൽ തിരുത്തുക</p>	<p>പിള്ളത്തൊട്ടിലും, അമ്മത്തൊട്ടിലും പരിഷ്കൃത സമൂഹത്തിന് അപമാനമാണെന്ന് തിരിച്ചറിഞ്ഞ് പത്രവാർത്തകൾ കുട്ടികൾ ശേഖരിക്കുന്നു.</p> <p>പരസ്പര സ്നേഹവും ദയയും കരുണയും ആണ് ലോകത്തിൽ മനുഷ്യർക്ക് ജീവിക്കാൻ പ്രേരിതമാകുന്ന വസ്തുത എന്ന് മനസ്സിലാക്കി കഥാപാത്ര നിരൂപണം കുട്ടികൾ തയ്യാറാക്കുന്നു.</p>
<p>ANNUAL EXAMINATION അടിസ്ഥാന പാഠാവലി, കേരളപാഠാവലി</p> <p><b>MODEL EXAMINATION -I (100% SYLLABUS) MODEL EXAMINATION -II (100% SYLLABUS) 100 % SYLLABUS WILL BE THERE FOR BOARD EXAM</b></p>	<p>8. ഓണമുറ്റത്ത്</p> <p>9.പത്രനീതി</p> <p>10.അശ്വമേധം</p> <p>വ്യാകരണം വാക്യത്തിൽ പ്രയോഗിക്കുക</p>	<p>ഓണം ഒരുമയുടെയും, സമഭാവനയുടെയും സന്ദേശമാണ് പങ്കുവെയ്ക്കുന്നത് എന്ന് തിരിച്ചറിഞ്ഞ് ഓണാനുഭവങ്ങൾ കുട്ടികൾ തയ്യാറാക്കുന്നു</p> <p>പത്രഭാഷയെ കുറിച്ചും പത്രധർമ്മത്തെക്കുറിച്ചും മനസ്സിലാക്കി കുട്ടികൾ വ്യക്തിഗതമായി ഒരു പത്രവാർത്ത തയ്യാറാക്കുന്നു</p> <p>സ്വർഗ്ഗശേഷിയുടെ ശക്തിയേയും ചൈതന്യത്തെയും കുറിച്ച് മനസ്സിലാക്കി കുട്ടികൾ സർഗാത്മക സൃഷ്ടികൾ രചിക്കുന്നു.</p>

**CLASS -X**  
**SANSKRIT(2025-26)**  
**TEXT BOOK- NCERT SEMUSHI PART II**

EXAM/MONTH	TOPIC	LEARNING OUTCOME
PERIODIC ASSESSMENT- I	1.शुचिपर्यावरणम्	<ul style="list-style-type: none"> <li>● प्रकृतिवर्णना अवगच्छन्ति  </li> <li>● श्लोकार्थस्य अवगमनं करोति  </li> <li>● भाषणलेखनकौशलम्  </li> </ul>
	2.बुद्धिर्बलवती सदा	<ul style="list-style-type: none"> <li>● अनुवादक्षमतायाः वृद्धिः  </li> <li>● कथालेखनस्य अभ्यासः करोति  </li> <li>● छात्राः स्वभाषया कथाकथनं करोति    </li> </ul>
SYLLABUS OF PERIODIC ASSESSMENT- I	Lesson 1 &2 व्याकरणम् – सन्धि ,प्रत्ययाः चित्रवर्णनम्	
PERIODIC ASSESSMENT-II	4 .शिशुलालनं	<ul style="list-style-type: none"> <li>● कविविषये ज्ञानं आप्नोति  </li> <li>● पौराणिक कार्याणि व्यवहारं करोति  </li> <li>● नाट्यस्य अवतरणं करोति  </li> </ul>
	5.जननी तुल्यवत्सला	<ul style="list-style-type: none"> <li>● पौराणिककथानां जीवने उपादेयता  </li> <li>● मातुः हृदयस्य परिचयः करोति  </li> <li>● सर्वान् प्रति सम्मानं  </li> </ul>
	6. सुभाषितानि	<ul style="list-style-type: none"> <li>● नैतिकमूल्यानि जीवने परिपालयन्ति  </li> <li>● पद्यवाबोधे समर्थाः भवन्ति  </li> </ul>
	PERIODIC ASSESSMENT-I +4,5&6 व्याकरणम् – समासाः ,समयः ,पत्रलेखनं	
PERIODIC ASSESSMENT-III	7. सौहार्दं प्रकृतेः शोभा	<ul style="list-style-type: none"> <li>● नाट्यस्य अवतरणं करोति  </li> <li>● सामाजिक विषये इतोऽपि अवगच्छन्ति</li> <li>● संवादः करोति</li> </ul>

		<ul style="list-style-type: none"> <li>● प्रकृते महत्वं प्रति अनुच्छेद लेखनं</li> </ul>
	8.सूक्तयः	<ul style="list-style-type: none"> <li>● नैतिकमूल्यानि जीवने अङ्गीकुर्वन्ति  </li> <li>● पद्यवाबोधे समर्थाः भवन्ति  </li> <li>● अन्वयस्य विवरणम्</li> </ul>
<b>SYLLABUS FOR PERIODIC ASSESSMENT-III</b>	Lesson 7 &8 व्याकरणम्- वाच्यम् , अनुवादः , अनुच्छेदलेखनं	
<b>ANNUAL EXAM</b>	11.विचित्रः साक्षी	<ul style="list-style-type: none"> <li>● कथाप्रस्तुतिकरणं</li> <li>● न्यायविषये संवादं करोति  </li> <li>● कथाकौशललेखनं</li> </ul>
	12.अन्योक्तयः	<ul style="list-style-type: none"> <li>● नैतिकमूल्यानि जीवने अङ्गीकुर्वन्ति  </li> <li>● पद्यवाबोधे समर्थाः भवन्ति  </li> <li>● अन्वयस्य विवरणम्</li> </ul>
<b>SYLLABUS OF ANNUAL EXAM</b>	PERIODIC ASSESSMENT-I ,II ,III +11 &12 व्याकरणम्- पूर्णं	

## HINDI

**TEXTBOOK: NCERT - स्पर्श, संचयन, आधुनिक हिंदी व्याकरण तथा रचना**

EXAM/MONTH	CHAPTERS/TOPIC	LEARNING OUTCOME
<p>PERIODIC ASSESSMENT -I</p> <p><b><u>SYLLABUS OF PERIODIC ASSESSMENT -I</u></b></p> <p>ABOVE MENTIONED ALL CHAPTERS AND GRAMMAR</p>	<p><b>स्पर्श [POEM]</b></p> <p>1. साखी (कबीर)</p> <p>2. पद (मीरा)</p> <p><b>स्पर्श [PROSE]</b></p> <p>1. बड़े भाई साहब</p> <p>2. डायरी का एक पन्ना</p> <p><b>संचयन</b></p> <p>1. हरिहर काका</p> <p><b>व्याकरण</b></p> <p>पदबंध</p> <p>रचना के आधार पर वाक्य रूपांतरण</p> <p>मुहावरे</p>	<p>1. छात्र साखी के माध्यम से मनुष्य के प्रति प्रेम, ईश्वर के प्रति भक्ति, वाणी में मिठास, अन्य तात्विक ज्ञान आदि को समझेंगे।</p> <p>2. भाषा साहित्य की बारीकियों पर चर्चा करते हैं।</p> <p>1. विविध साहित्यिक विधाओं को पढ़ते हुए व्याकरणिक संरचना पर चर्चा करते हैं।</p> <p>2. विविध साहित्यिक विधाओं के अंतर को समझते हुए उनके स्वरूप का विश्लेषण करते हैं।</p> <p>1. कहानी के माध्यम से वयोवृद्ध के प्रति कर्तव्य तथा समाज में रिश्तों की अहमियत बताना।</p> <p>छात्रों को संज्ञा, सर्वनाम, क्रिया, विशेषण और क्रिया विशेषण का पर्याप्त अध्ययन करना है ताकि आसानी से पदबंध उनके समझ में आ जाए।</p> <p>छात्रों को वाक्य का रूपांतरण करने से पहले वाक्य के भेदों को समझने का प्रयास करना चाहिए जिससे वे स्पष्ट व उचित रूप से वाक्य का रूपांतर कर सकें।</p> <p>छात्र अधिक से अधिक मुहावरों का ज्ञान प्राप्त करते हैं।</p>







**SUBJECT :- MATHEMATICS****TEXTBOOK: NCERT -**

<b>EXAM/MONTH</b>	<b>CHAPTERS/TOPIC</b>	<b>LEARNING OUTCOME</b>
<p>PERIODIC ASSESSMENT -I</p> <p><b><u>SYLLABUS OF PERIODIC ASSESSMENT -I</u></b></p> <p>CHAPTERS – 1,2,3 and 4</p>	<p>CH 1 REALNUMBERS</p> <p>CH. 2 POLYNOMIALS</p> <p>CH. 3 PAIRS OF LINEAR EQUATIONS IN TWO VARIABLES</p> <p>CH. 4 QUADRATIC EQUATIONS</p>	<p>Generalizes properties of numbers and relations among them studied earlier, to evolve results, such as, fundamental theorem of arithmetic in order to apply them to solve problems related to real life contexts</p> <p>Uses algebraic and graphical method of finding zeroes of a polynomial in order to establish a relationship b between them.</p> <p>Uses graphical and other methods in order to finds solutions of pairs of linear equations in two variables.</p> <p>Demonstrates knowledge of application of various strategies in order to find roots and determine the nature of roots of a given equation</p>
<p>PERIODIC ASSESSMENT -II</p> <p><b><u>SYLLABUS OF PERIODIC ASSESSMENT -II</u></b></p> <p>CHAPTERS – 1,2,3,4,5,6,8 and 9</p>	<p>CH. 5 ARITHMETIC PROGRESSION</p> <p>CH. 6 TRIANGLES</p> <p>CH. 8 INTRODUCTION TO TRIGONOMETRY</p> <p>CH.9 SOME APPLICATIONS OF TRIGONOMETRY</p>	<p>Develops strategies in order to apply the concept of AP to daily life situations</p> <p>Uses different geometric criteria established earlier such as basic proportionality theorem etc. in order to establish properties for similarity of two triangles</p> <p>Student determines all trigonometric ratios with respect to a given acute angle of a right triangle.</p> <p>Determines all trigonometric ratios with respect to a given acute angle (of a right triangle) in order to use them in solving problems in daily life contexts like finding heights of different structures or distances from them</p>

<p>PERIODIC ASSESSMENT -III</p> <p><b><u>SYLLABUS OF PERIODIC ASSESSMENT -III</u></b>  CHAPTERS –  1,2,3,4,5,6,7,8,9,10 ,  12 and 14</p>	<p>CH. 7 COORDINATE GEOMETRY</p> <p>CH. 10 CIRCLES</p> <p>CH. 12 AREAS RELATED TO CIRCLES</p> <p>CH. 14 STATISTICS</p>	<p>Derives formulae to establish relations for geometrical shapes in the context of a coordinate plane, such as finding the distance between two given points, in order to determine coordinates of a point between any two given points, to find area of a triangle etc</p> <p>The student understand about tangent and it's properties.</p> <p>Calculate the area of sector and segment and various combinations of plane figures in order to apply the concepts of circles, quadrilaterals and triangle.</p> <p>The student calculates mean, median and mode for different sets of data related with real life contexts.</p>
<p>ANNUAL EXAM</p> <p><b><u>SYLLABUS OF ANNUAL EXAM</u></b>  CHAPTERS –  1,2,3,4,5,6,7,8,9,10,  12,13,14 and 15</p>	<p>CH. 13 SURFACE AREA AND VOLUME</p> <p>CH. 15 PROBABILITY</p>	<p>The student visualizes objects in surrounding as a combination of different solids like cylinder and a cone, cylinder and a hemisphere, combination of different cubes, etc.in order to find their surface areas and volume</p> <p>Calculates in order to determine the probability of a given even</p>

**SUBJECT: -SCIENCE**

**TEXTBOOK: NCERT- SCIENCE TEXTBOOK FOR CLASS X**

<b>EXAM/MONTH</b>	<b>CHAPTERS/TOPIC</b>	<b>LEARNING OUTCOME</b>
<b>PERIODIC ASSESSMENT-I</b>	<b>5. LIFE PROCESSES</b> Nutrition, Respiration, Transportation, Excretion	Student will be able to: Explain processes, such as nutrition in human beings and plants, respiration in human beings and plants, transportation in human beings and plants, excretion in plants and animals Draw labelled diagrams of digestive, respiratory, circulatory and excretory systems
	<b>4.CARBON AND ITS COMPOUNDS</b> Versatile nature of carbon. Homologous series. Nomenclature of Carbon compounds Chemical properties of carbon compound	Plan and conduct investigations / experiments to arrive at and verify the facts, principles, phenomena or to seek answers to queries on their own  Explain the chemical properties of ethanol & ethanoic acid
	<b>11.ELECTRICITY-</b> Ohm's Law, Resistor combination-series and parallel. Heating effect, electric power	Plot a graph between voltage and current, to prove ohm's law & find Resistance Explain and calculate the heating effect of electric current, to learn working of appliances like heater, electric iron and fuse

**SYLLABUS OF PERIODIC ASSESSMENT -I**  
**CHAPTERS-4,5,11**

<p>PERIODIC ASSESSMENT-II</p> <p><b><u>SYLLABUS OF PERIODIC ASSESSMENT -II</u></b> CHAPTERS - 1,4, 5,6,7,11,12</p>	<p>6. CONTROL AND COORDINATION</p> <p>Nervous system Endocrine system Plant movements Plant hormones</p>	<p>Illustrate the location and functions of different parts of human brain, in order to understand working of human brain Relate processes and phenomena with causes / effects, such as hormones with their functions</p>
	<p>7. HOW DO ORGANISMS REPRODUCE?</p> <p>Asexual reproduction Sexual reproduction</p>	<p>Examine tropic movements in plants, in order to understand how plants respond to environmental triggers like light, gravity, water Draw labelled diagrams of human reproductive systems Apply scientific concepts in daily life and solving problems, such as uses vegetative propagation to develop saplings in gardening</p>
	<p>I. CHEMICAL REACTIONS &amp; EQUATIONS</p> <p>Types of chemical reactions</p>	<p>Differentiate between various types of reactions. Use scientific conventions to represent units of various quantities / symbols / formulae / equations, such as balanced chemical equation by using symbols and physical states of substances. Calculate using the data given, such as number of atoms in reactants and products to balance a chemical equation.</p>
	<p>12. MAGNETIC EFFECTS OF ELECTRIC CURRENT.</p> <p>Magnetic pattern around a bar magnet and current carrying conductors, force on a current carrying conductor, Domestic electric Circuits</p>	<p>Draw magnetic field lines for a current carrying circular loop, in order to identify the magnetic field strength at different points around it Analyse the significance of neutral, earth and live wire, to understand formation of domestic electrical circuit.</p>
<p>PERIODIC ASSESSMENT-III</p> <p><b><u>SYLLABUS OF PERIODIC ASSESSMENT -III</u></b> CHAPTERS- 1,2,4,5,6,7,8,9, 11,12</p>	<p>8. HEREDITY</p> <p>Heredity and variation. Mendel's experiments Sex determination</p>	<p>Draw conclusion, such as traits/features are inherited through genes present on chromosomes Take initiative to know about scientific discoveries/inventions, such as Mendel's contribution in understanding the concept of Inheritance.</p>
	<p>2. ACIDS, BASES AND SALTS</p> <p>General properties,</p>	<p>Differentiate materials strong and weak acids and bases, acidic, basic and neutral salts. Classifies acids and bases on the basis of</p>

	examples and uses, neutralization, concept of pH scale, importance of pH, preparation and uses of some salts	their chemical properties
	9.LIGHT- REFLECTION AND REFRACTION Reflection of light through spherical mirrors. Refraction through spherical lenses, power of a lens	Plan and conduct investigations / experiments to arrive at and verify the facts, principles, phenomena or to seek answers to laws of reflection and refraction of light  Construct ray diagrams to represent the path of incident & reflected light rays from a spherical mirrors and lenses in order decipher the position and nature of image formed.
ANNUALEXAM	13.OUR ENVIRONMENT Ecosystem Food chain and food web.	Make efforts to conserve environment realizing the inter- dependency and interrelationship in the biotic and abiotic factors of environment
<b><u>SYLLABUS OF ANNUAL EXAM</u></b> <b>CHAPTERS -1 to13</b> <b>Model Examination -1</b> <b>(100% syllabus) Model Examination -2</b> <b>(100% syllabus) Board Examination (100% syllabus)</b>	3.METALSAND NONMETALS Properties of metals and non-metals; Reactivity series	Classify materials such as metals and non-metals on the basis of their physical and chemical properties
	IO. HUMAN EYE AND COLOURFUL WORLD- Working of human eye, common defects of vision. Atmospheric refraction	Describe the structure of an eye and functions of various parts that help humans to see. Provide scientific explanation for Twinkling of stars, advanced sunrise and Delayed sunset



<p><b>PERIODIC ASSESSMENT II</b></p> <p><b><u>SYLLABUS OF PERIODIC ASSESSMENT II</u></b></p> <p><b>HISTORY:</b> PA 1 + CHAPTER 2 &amp; 3</p> <p><b>GEOGRAPHY :</b> PA 1 + CHAPTER 3, 4 &amp; 5</p> <p><b>POLITICS :</b> PA 1 + CHAPTER 4</p> <p><b>ECONOMICS:</b> PA 1 + CHAPTER 3 &amp; 4</p>	<p><b>HISTORY:</b> 2. NATIONALISM IN INDIA</p> <p>3. THE MAKING OF A GLOBAL WORLD</p> <p><b>GEOGRAPHY:</b> 4. AGRICULTURE</p> <p>5. MINERALS AND ENERGY RESOURCES</p> <p>3. WATER RESOURCES</p> <p><b>POLITICAL SCIENCE:</b> 4. GENDER RELIGION AND CASTE</p> <p><b>ECONOMICS:</b> 3. MONEY AND CREDIT</p> <p>4. GLOBALISATION AND THE INDIAN ECONOMY</p>	<p><b>HISTORY:</b> 2. Examine and evaluate events, facts, data and figures in order to classify and compare them.</p> <p>3. Examine phenomena, events and their occurrence in order to explain cause and effect relationship between them.</p> <p><b>GEOGRAPHY:</b> 4. Examine phenomena, events and their occurrence in order to explain cause and effect relationship between them.</p> <p>5. Classify/ distinguish in order to demonstrate skills of recognizing and retrieving facts, figures and narrating processes.</p> <p>3. Analyze sources, distribution, multipurpose projects on water resources.</p> <p><b>POLITICAL SCIENCE:</b> 4. Examine and evaluate the given known or unknown given texts/ political analysis etc. in order to identify assumptions/ prejudice/ stereotype.</p> <p><b>ECONOMICS:</b> 3. Examine and evaluate collected/ given information in order to construct views/ arguments/ ideas on its basis.</p> <p>4. Examine and evaluates collected/ given information in order to construct views/ arguments/ ideas on its basis.</p>
<p><b>PERIODIC ASSESSMENT - III</b></p>	<p><b>HISTORY:</b> 5. PRINT, CULTURE AND THE MODERN WORLD</p>	<p><b>HISTORY:</b> 5. Examine phenomena, events and their occurrence in order to explain cause and effect relationship between them.</p>

<p><b><u>SYLLABUS OF PERIODIC ASSESSMENT – III</u></b></p> <p><b>HISTORY:</b> PA 1 + PA 2 + CHAPTER 5</p> <p><b>GEOGRAPHY :</b> PA 1 + PA 2 + CHAPTER 6</p> <p><b>POLITICS:</b> PA 1 + PA 2 + CHAPTER 6 &amp; 7</p> <p><b>ECONOMICS:</b> PA 1 + PA 2</p>	<p><b>GEOGRAPHY:</b> 6. MANUFACTURING INDUSTRIES</p> <p><b>POLITICAL SCIENCE:</b> 6. POLITICAL PARTIES 7. OUTCOMES OF DEMOCRACY</p> <p><b>ECONOMICS:</b> 5. CONSUMER RIGHTS (PROJECT WORK)</p>	<p><b>GEOGRAPHY:</b> 6. Examine and evaluate given text/ visual, both known and unknown, such as maps/ symbols/ bar diagram etc</p> <p><b>POLITICAL SCIENCE:</b> 6. Examine given information, in order to analyze and evaluate it. 7. Examine phenomena, events and their occurrence in order to explain cause and effect relationship between them.</p> <p><b>ECONOMICS:</b> 5. Evaluate and presents the best options with reasoning in order to illustrate decision making/ problem solving skills</p>
<p><b>ANNUAL EXAMINATION</b></p>	<p><b>GEOGRAPHY:</b> 7. LIFELINES OF NATIONAL ECONOMY</p> <p><b>MODEL EXAMINATION – I – (100% SYLLABUS)</b> <b>MODEL EXAMINATION – II – (100% SYLLABUS)</b> <b>100% SYLLABUS WILL BE THERE FOR BOARD EXAM</b></p>	<p><b>GEOGRAPHY:</b> 7. Enhance the creativity by writing the views on the importance of transport and communication in India and their contribution in the economy.</p>

**SUBJECT :-ARTIFICIAL INTELLIGENCE**

**TEXTBOOK-DECODING AI FOR CLASS X BY SULTAN CHAND PUBLICATIONS**

<b>EXAM/MONTH</b>	<b>TOPIC</b>	<b>LEARNING OUTCOME</b>
<p>PERIODIC ASSESMENT - I</p> <p>SYLLABUS OF PERIODIC ASSESMENT - I</p> <p>PART A: CHAPTER 1 &amp;2</p> <p>PART B:CHAPTER 1</p>	<p>PART – A : 1. COMMUNICATION SKILL</p> <p>2. SELF MANAGEMENT SKILL</p> <p>PART – B :</p> <p>1. REVISITING AI PROJECT CYCLE &amp; ETHICAL FRAME WORKS OF AI</p> <p>ADVANCE PYTHON (FOR PRACTICALS ONLY)</p>	<p>Describes the importance of communication skill in daily life.</p> <p>Explains how to improve self-management skills to become successful.</p> <p>Analyses the important steps of AI project cycle.</p> <p>Understand the stages involved in the AI project cycle, such as problem scoping, data collection, data exploration, modeling, evaluation.</p> <p>Develops programming skills.</p>
<p>PERIODIC ASSESMENT - II</p> <p>SYLLABUS OF PERIODIC ASSESMENT - II</p> <p>ABOVE MENTIONED ALL CHAPTERS</p>	<p>PART – B :</p> <p>2. ADVANCED CONCEPTS OF MODELLING IN AI</p> <p>Supervised, unsupervised and reinforcement learning based approaches.</p> <p>Neural Networks.</p> <p>3. EVALUATING MODELS</p> <p>Role of evaluation in the development and implementation of AI systems, Accuracy and Error for effectively evaluating and improving AI models</p>	<p>Define the concept of Rule based modelling and Learning based modelling.</p> <p>Learns Neural Networks</p> <p>Learn about the different types of evaluation techniques in AI, such as Accuracy, Precision, Recall and F1 Score, and their significance.</p>
<p>PERIODIC ASSESMENT - III</p>	<p>PART – A :</p> <p>3. BASIC ICT SKILL</p> <p>4.ENTREPRENEURIAL SKILLS</p>	<p>Explains the importance of technology in daily life.</p> <p>Identifies the importance of Entrepreneurship in life.</p>

<p>SYLLABUS OF PERIODIC ASSESSMENT - III ABOVE MENTIONED ALL CHAPTERS</p>	<p>PART – B : 4.STATISTICAL DATA</p> <p>Concept of Statistical Data and its applications in various fields. No-Code and LowCode AI.</p> <p>5.COMPUTER VISION</p> <p>basic concepts of image representation, feature extraction, object detection, and segmentation.</p>	<p>Define the concept of Statistical Data and understand its applications in various fields.</p> <p>Define No-Code and LowCode AI. Identify the differences between Code and No-Code AI concerning Statistical Data.</p> <p>Understand the basic concepts of image representation, feature extraction, object detection, and segmentation.</p>
<p>ANNUAL EXAMINATION</p> <p>MODEL EXAMINATION I 100%SYLLABUS</p> <p>MODEL EXAMINATION II 100%SYLLABUS</p> <p>100 % SYLLABUS WILL BE THERE FOR BOARD EXAM</p>	<p>PART – A : 5. GREEN SKILLS</p> <p>PART – B :</p> <p>6.NATURAL LANGUAGE PROCESSING</p> <p>Introduction to Natural Language Processing, Text Normalisation , Bag of Words algorithm</p>	<p>Explains the reasons to preserve our environment.</p> <p>Gain an understanding of the challenges involved in understanding human language by machine.</p> <p>Learn about the Text Normalization technique used in NLP and the popular NLP model - Bag-of-Words</p>



<p>SYLLABUS OF PERIODIC ASSESMENT - III</p> <p>PART A-1,2,3,4,5</p> <p>PART B-1,2,4</p>	<p><u>PART – B :</u></p> <p>4. : MAINTAIN HEALTHY, SAFE AND SECURE WORKING ENVIRONMENT</p>	<p>environment</p> <p>Understand workplace health, safety, and security policies, identify various hazards, and learn how to manage risks and maintain a safe working environment. Learn about air and water quality monitoring, office ergonomics, health and safety guidelines for computer use, and methods to reduce risks associated with musculoskeletal problems and other work related issues</p>
<p>ANNUAL EXAMINATION</p> <p>MODEL EXAMINATION I</p> <p>100%SYLLABUS</p> <p>MODEL EXAMINATION II</p> <p>100%SYLLABUS</p> <p>100 % SYLLABUS WILL BE THERE FOR BOARD EXAMINATION</p>	<p><u>PART – B</u></p> <p>3.: DATABASE MANAGEMENT SYSTEM USING LIBREOFFICE BASE</p>	<p>Students will be able to</p> <p>Understand data and information concepts, the advantages of databases, various data models and key terminology and objects of relational database systems.</p>

SATTHWA

JUNE : EXCELLENCE 1.GOAL SETTING

2.MANAGING TIME

JULY : EXCELLENCE 3.DO YOUR BEST

4.COMPETE WITH YOURSELF TO EXCEL

AUGUST : POSITIVE ATTITUDE 1.STRESS MANAGEMENT

2.RESILIENCE

SEPTEMBER : POSITIVE ATTITUDE 3.MOTIVATION

4.LOGICAL THINKING

OCTOBER : ACCOUNTABILITY 1.RESPONSIBILITY

2.ANSWERABILITY

NOVEMBER : ACCOUNTABILITY 3.COMMITMENT

4.TRUSTWORTHINESS

**SUBJECT :-PHYSICAL EDUCATION**

<b>EXAM/MONTH</b>	<b>TOPIC</b>	<b>LEARNING OUTCOME</b>
JUNE	March Past Rules and Regulation of Chess	Students will be able to 1.Improve co-ordination 2.Understand Chess Regulation
JULY	Khelo India Physical Fitness Test, Rules and Regulations of Kabaddi	Students will be able to 1.increase Speed and Agility 2.Understand Rules and Regulation Of Kabaddi
AUGUST	Khelo India Physical Fitness Test And Rules of kho kho	Students will be able to 1.Increase Muscular Strength and Co-ordination 2.Understand kho kho Rules
SEPTEMBER	Free hand Exercise, Rules of badminton	Students will be able to 1.Improve co-ordination 2.Learn Badminton Rules
OCTOBER	Free hand Exercise , Rules of volley ball	Students will be able to 1.improve Flexibility 2.Understand Volley ball Rules
NOVEMBER	Major Game of Foot ball	Students will be able to 1.Increase Playing Agility of Foot ball
DECEMBER	Khelo India Physical Fitness Test , Rules of Athletics	Students will be able to 1.Improve Speed and Agility 2.Understand Rules of Athletics
JANUARY	Khelo India Physical Fitness Test And Basket ball	Students will be able to 1.Improve co-ordination and Flexibility 2.Understand Basket ball Skills
FEBRUARY	Recreation Games And Carrom board	Students will be able to 1.Help For stress Management 2. Learn carrom board Rules
MARCH	Recreation Games	Students will be able to 1.Improve Leader ship skills and stress Management

**SUBJECT: ART & CRAFT**

<b>EXAM/MONTH</b>	<b>TOPIC</b>	<b>LEARNING OUTCOME</b>
June to October	Nettipattam making, canvas painting, Nature study	Develop imagination and creativity, Encourages self expression and individuality
November to march	Illustrations, compositions, sketching, object study	Improve dexterity, Improves critical thinking.

**SUBJECT: MUSIC**

JUNE:	PRAYER
JULY:	LIGHTMUSIC
AUGUST:	VARISAKAL
SEPTEMBER:	MADHYASTHAYI VARISAKAL
OCTOBER:	JANDAVARISAKAL
NOVEMBER:	PATRIOTIC SONG
DECEMBER:	BHAJAN

**SUBJECT: DANCE**

JUNE :	BASICS OF DANCE & ENVIRONMENTAL DANCE
JULY :	THATTADAVU
AUGUST:	THATTADAVU&MUDRAS
SEPTEMBER :	NATTADAVU
OCTOBER:	NATTADAVU
NOVEMBER :	THIRUVATHIRAKKALI
DECEMBER :	THIRUVATHIRAKKALI
JANUARY:	SAMYUKTHA MUDRAS

# YOGA

## Yoga syllabus

<b>EXAM/MONTH</b>	<b>TOPIC</b>
<b>JUNE</b>	SIMPLE EXERCISES
<b>JULY</b>	SURYA NAMASKARAM UPPER BODY STRETCH EXERCISE
<b>AUGUST</b>	REVISION
<b>SEPTEMBER</b>	TEST
<b>OCTOBER</b>	YOGA COMPETITION SYLLABUS: BACKWARD ASANAS FORWARD ASANAS
<b>NOVEMBER</b>	LEG BALANCE ASANAS HAND BALANCE ASANAS TWISTING ASANAS
<b>DECEMBER</b>	REVISION TEST