

JAI GURU DEV  
MAHARISHI VIDYA MANDIR SR. SEC. SCHOOL, CHETPET, CHENNAI-31  
SYLLABUS FOR THE ACADEMIC YEAR 2022-2023

STD. XI

SUBJECT: HINDI CORE  
PREPARED ON: 22.04.2022

महीना	पाठ्य वस्तु	अवधि
जुलाई	आरोह-1-पाठ-1:नमक का दारोगा पद्य:1 कबोर के पद-1, मीरा के पद-1 अभिव्यक्ति और माध्यम- पाठ 1 अनुपूरक पाठ -1 भारतीय गायिकाओं में बेजोड: लता मंगेशकर परियोजना कार्य देना	6 3, 3 6 5 1
अगस्त	आरोह-1-पाठ-2-मियों नसीरुद्दीन, 3. अपू के साथ ढाई साल पद्य:5-घर की याद, 6. चंपा काले काले अच्छर नहीं चीन्हती अभिव्यक्ति और माध्यम- पाठ 2	3, 3 3, 3 8
सितंबर	प्रथम सत्रांत परीक्षा पद्य:7-गजल, अभिव्यक्ति और माध्यम- पाठ:9 अनुपूरक पाठ: 2. राजस्थान की रजत बूँदें	3, 8 5
अक्तूबर	आरोह-1-पाठ-4-विदाई संभाषण, पद्य:8-अक्क महादेवी के पद-1. 2 अभिव्यक्ति और माध्यम- पाठ: 10	5 4 10
नवंबर	आरोआरोह-1-पाठ-5. गलता लोहा, 7. रजनी पद्य:9. सबसे खतरनाक, अभिव्यक्ति और माध्यम- पाठ: 14 अनुपूरक पाठ: 3. आलो आंधारि	5, 5 4, 5 5
दिसंबर	अर्द्ध वार्षिक परीक्षा आरोह-1-पाठ.8. जामुन का पेड, 9. भारत माता पद्य:10. आओ मिलकर बचाएँ अभिव्यक्ति और माध्यम- पाठ: 15	6, 3 4 5
जनवरी	पुनरावृत्ति परीक्षा	
फरवरी	पुनरावृत्ति परीक्षा	
मार्च	वार्षिक परीक्षा	

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**MAHARISHI VIDYA MANDIR SR.SEC.SCHOOL CHETPET, CHENNAI - 31**  
**SYLLABUS FOR THE ACADEMIC YEAR 2022-2023**

**STD : XI**

**SUBJECT:HISTORY**

**PREPARED ON : 22-04-2022**

<b>MONTH</b>	<b>LESSONS</b>	<b>No of Periods</b>
<b>JULY</b>	1.Introduction to World History	10
	2.Introduction-Early Societies	5
	3.Writing and City Life	20
<b>AUGUST</b>	4.Introduction-Empires	5
	5.An empire across three continents	20
	6.Nomadic Empires	20
<b>SEPTEMBER</b>	Introduction	5
	7.The Three Orders	20
	<b>QUARTERLY EXAMINATIONS</b>	
<b>OCTOBER</b>	8.Changing Cultural Traditions	20
	9.Introduction	5
<b>NOVEMBER</b>	10.Displacing Indigenous People	20
<b>DECEMBER</b>	11.Paths To Modernization	20
	MAP WORK OF THE RELATED THEMES	
	<b>HALF YEARLY EXAMINATIONS</b>	
<b>JANUARY</b>	REVISION EXAMINATION	
<b>FEBRUARY</b>	Revision	
<b>MARCH</b>	Annual Examinations	

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**SYLLABUS FOR THE ACADEMIC YEAR 2022-2023**

**STD : XI**

**SUBJECT : ACCOUNTANCY**  
**PREPARED ON: 22-04-2022**

<b>MONTH</b>	<b>TOPICS</b>	<b>NO.OF PERIODS</b>
<b>JULY</b>	Introduction to accounting	09
	Theory base of accounting	16
	Recording of business transactions	11
<b>AUGUST</b>	Recording of business transactions	36
<b>SEPTEMBER</b>	Bank reconciliation statement	18
	<b>REVISION</b> <b>QUARTERLY EXAMINATION</b>	08
<b>OCTOBER</b>	Depreciation provisions and reserves	22
	Trial balance and rectification of errors	22
<b>NOVEMBER</b>	Financial statement of sole proprietorship from complete records	45
<b>DECEMBER</b>	<b>REVISION</b> <b>HALF-YEARLY EXAMINATION</b>	05
<b>JANUARY</b>	Financial statement of sole proprietorship from complete records <b>PRE ANNUAL EXAMINATION</b>	08
<b>FEBRUARY &amp; MARCH</b>	<b>REVISION</b> <b>ANNUAL EXAMINATION</b>	

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**SYLLABUS FOR THE ACADEMIC YEAR 2022-2023**

STD : XI

**SUBJECT : CHEMISTRY**  
**PREPARED ON: 22-04-2022**

MONTH	UNIT NO.	TOPICS	No. Of PERIODS
JULY	I	<ul style="list-style-type: none"> <li>• Some Basic Concepts of Chemistry</li> <li>• Redox Reactions</li> </ul>	16
	VIII		09
AUGUST	II	<ul style="list-style-type: none"> <li>• Structure of Atom</li> <li>• Classification of Elements and Periodicity in Properties</li> <li>• Chemical Bonding and Molecular Structure</li> </ul>	15
	III		10
			07
SEPTEMBER	IV	<ul style="list-style-type: none"> <li>• Chemical Bonding and Molecular Structure</li> </ul> <b>QUARTERLY EXAMINATION</b>	10
OCTOBER	VI	<ul style="list-style-type: none"> <li>• Chemical Thermodynamics</li> <li>• Equilibrium</li> </ul>	20
	VII		02
NOVEMBER	VII	<ul style="list-style-type: none"> <li>• Equilibrium</li> <li>• Organic Chemistry- Some Basic Principles and Techniques</li> </ul>	16
	XII		08
DECEMBER	XII	<ul style="list-style-type: none"> <li>• Organic Chemistry- Some Basic Principles and Techniques</li> </ul> <b>HALF – YEARLY EXAMINATION</b>	10
JANUARY	XIII	<ul style="list-style-type: none"> <li>• Hydrocarbons</li> </ul> <b>PRE – ANNUAL EXAMINATION</b>	15
FEBRUARY & MARCH		REVISION <b>ANNUAL EXAMINATION</b>	

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**SYLLABUS FOR THE ACADEMIC YEAR 2022-2023**

**STD : XI**

**SUBJECT : BUSINESS STUDIES**  
**PREPARED ON: 22-04-2022**

<b>MONTH</b>	<b>TOPIC</b>	<b>NO.OF.PERIODS</b>
<b>JULY</b>	Unit-1 Nature and Purpose of Business	18
<b>AUGUST</b>	Unit-2 Forms of Business Organisations	24
	Unit-3 Public,Private and Global Enterprises	18
<b>SEPTEMBER</b>	Unit-4 Business Services	18
	Unit-5 Emerging modes of business	8
	<b>QUARTERLY EXAMINATION</b>	
<b>OCTOBER</b>	Unit-5 Emerging modes of business	02
	Unit-6 Social Responsibility of Business and Business Ethics	12
	Unit-7 Sources of Business Finance	30
<b>NOVEMBER</b>	Unit-8 Small Business	16
	Unit-9 Internal Trade	30
<b>DECEMBER</b>	REVISION <b>HALF YEARLY EXAMINATION</b>	
<b>JANUARY</b>	Unit-10 International Business <b>PRE ANNUAL EXAMINATION</b>	14
<b>FEBRUARY &amp; MARCH</b>	REVISION <b>ANNUAL EXAMINATION</b>	

  
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**SYLLABUS FOR THE ACADEMIC YEAR 2022-2023**

**STD : XI**

**SUBJECT : COMPUTER SCIENCE**  
**PREPARED ON: 22-04-2022**

MONTH	TOPICS	NO OF PERIODS
<b>JULY</b>	UNIT-II-COMPUTATIONAL THINKING AND PROGRAMMING-1	
	1.Introduction to problem solving and Basics of Python Programming.	3
	2. Features of Python- character set and tokens	4
	3. Comments and Notion of variable	2
	4. Knowledge of Data Types and writing first simple Python Program	4
	5. Execution of a Program and Types of Errors	2
<b>AUGUST</b>	6. Knowledge of Data Types and Operators	4
	UNIT-II-COMPUTATIONAL THINKING AND PROGRAMMING-1	
	7. Operators and types	7
<b>SEPTEMBER</b>	8. Conditional and Iterative Statements	15
	UNIT-II-COMPUTATIONAL THINKING AND PROGRAMMING-1	
<b>OCTOBER</b>	9. Strings	5
	<b>QUARTERLY EXAMINATION</b>	
<b>NOVEMBER</b>	UNIT-II-COMPUTATIONAL THINKING AND PROGRAMMING-1	
	9. Strings	4
	10. Lists	8
<b>NOVEMBER</b>	11. Tuples	7
	UNIT-II-COMPUTATIONAL THINKING AND PROGRAMMING-1	
	12. Dictionary	6
	13. Python Modules	5
	UNIT-I-COMPUTER SYSTEMS AND ORGANISATION	
	1. Basics of computer organization	1
	2. Types of software	1
	3. Memory Units	1
	4. Boolean Logic	1
	5. Number Systems	2
6. Encoding scheme	2	
7. Concept of compiler and interpreter	1	
8. Operating System	1	

<b>DECEMBER</b>	UNIT-III-SOCIETY, LAW AND ETHICS 1. Cyber Safety	4
	<b>HALF – YEARLY EXAMINATION</b>	
<b>JANUARY</b>	UNIT-III-SOCIETY, LAW AND ETHICS 2. Appropriate Usage of Social Networks 3. Safely accessing the Web sites 4. Safely Communicating data 5. Privacy Laws 6. Technology and Society	4 4 3 3 2
	<b>PRE-ANNUAL EXAMINATION</b>	
<b>FEBRUARY &amp; MARCH</b>	REVISION <b>ANNUAL EXAMINATION</b>	

  
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STD : XI

SUBJECT : BIOLOGY  
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MONTH	UNIT NO.	TOPICS	NO. OF PERIODS
JULY	V	HUMAN PHYSIOLOGY	25
AUGUST	V	HUMAN PHYSIOLOGY (contd.)	5
	II	STRUCTURAL ORGANISATION IN PLANTS AND ANIMALS	15
SEPTEMBER	II	STRUCTURAL ORGANISATION IN PLANTS AND ANIMALS (contd.)	5
	IV	PLANT PHYSIOLOGY <b>QUARTERLY EXAMINATION</b>	10
OCTOBER	IV	PLANT PHYSIOLOGY	20
NOVEMBER	I	DIVERSITY IN THE LIVING WORLD	18
	III	CELL: STRUCTURE AND FUNCTIONS	8
DECEMBER	III	CELL: STRUCTURE AND FUNCTIONS <b>HALF-YEARLY EXAMINATION</b>	15
JANUARY	III	CELL: STRUCTURE AND FUNCTIONS (contd.) <b>PRE-ANNUAL EXAMINATION</b>	12
FEBRUARY & MARCH		REVISION <b>ANNUAL EXAMINATION</b>	

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**STD : XI**

**SUBJECT : ECONOMICS**  
**PREPARED ON: 22-04-2022**

<b>MONTH</b>	<b>TOPIC</b>	<b>NO. OF PERIODS</b>
<b>JULY</b>	Introduction - Statistics	10
	Collection, Organization and Presentation of Data	30
<b>AUGUST</b>	Introduction to Micro Economics	10
	Consumer's Equilibrium and Demand	22
<b>SEPTEMBER</b>	Consumer's Equilibrium and Demand (cont.)	18
	Measures of Central Tendency	12
<b>QUARTERLY EXAMINATION</b>		
<b>OCTOBER</b>	Measures of Central Tendency (cont.)	12
	Correlation	14
	Producer's Behaviour and Supply	7
<b>NOVEMBER</b>	Producer's Behaviour and Supply (cont.)	28
<b>DECEMBER</b>	Index Number	12
	Forms of Market	7
<b>HALF YEARLY EXAMINATION</b>		
<b>JANUARY</b>	<b>REVISION</b>	
<b>PRE ANNUAL EXAMINATION</b>		
<b>FEBRUARY &amp; MARCH</b>	<b>REVISION</b>	
<b>ANNUAL EXAMINATION</b>		

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**SYLLABUS FOR THE ACADEMIC YEAR 2022-2023**

**STD : XI**

**SUBJECT : PHYSICAL EDUCATION**  
**PREPARED ON: 22-04-2022**

MONTH	TOPIC / CHAPTER	NO. OF PERIODS	AIM/LEARNING OBJECTIVE	METHODOLOGY / PRESENTATION	TOOLS / TEACHING AIDS / TECHNIQUES	LEARNING OUTCOMES	EVALUATION
JUNE	<b>Marching</b> 1. Quick march 2. Double march 3. Slow march  <b>Athletics:</b> • 100mts • 200mts • 400mts  <b>Major Game:</b> • Hand ball • Basket ball  <b>Strand I:</b> • Physical Activity	16	To teach the methods and movements in various marching style.	The teacher will demonstrate the marching skills to the students	Demonstration with explanation Students practice the activities under teachers' supervision till certain level of attainment Group practice under student leader. Students to witness Locate parade of N.C.C. police, Republic day and Independence day parades  Music Tapes Band group Drum Hand ball Basket Ball	<ul style="list-style-type: none"> <li>Development in movements</li> <li>Smartness in appearance</li> <li>Development of co ordination</li> <li>Sense of discipline, self-confidence And the quality of immediate and implicit obedience to orders</li> <li>Development of good posture</li> <li>Leadership qualities</li> </ul>	Observation of individual student's performance and supply of feedback Two components chosen by the teacher has to be done by the students Timing, rhythm, position and response to command to be evaluated
JULY	<b>Athletics:</b> • 800mts • 1500mts  <b>Major Game:</b> • Volley ball • Throw ball  <b>Yogasana</b> • Padahasthasana • Ardhachakrasana • Pachimatanasana • Ustasana • Sarvangasana • Matsyasana  <b>Strand II</b> • Health and Fitness	16	To teach the importance and methods of asanas	The teacher makes the students to demonstrate the asanas and explain the method of breathing and benefits to other students. Explanation for events and major games are also given	Demonstration Part – whole – part method  Sufficient place Mat Volley ball Throw ball	<ul style="list-style-type: none"> <li>Improves knowledge of health</li> <li>Develops the functions of internal organs</li> <li>Develops concentration</li> <li>Increase the mobility of the joints</li> </ul>	Perfection graceful synchronized breathing Maintenance of final posture and knowledge of benefits of Asanas to be evaluated
AUGUST	<b>Athletics:</b> • Long jump • High jump  <b>Major Games</b> • Kabaddi • Kho-Kho  <b>Strand II</b> Health and Fitness	16	To teach the basic skills and techniques in all major games	The teacher will demonstrate the major games skills and made the students to do the skills with the perfection.	Major rules, intermediate and advanced level skills to be explained and demonstrated By part – part method Team practice to be encouraged. Analysis of the game played should be carried out by group discussions  Ball Net Racket Chupnam Stick and required equipment for the concerned games	<ul style="list-style-type: none"> <li>Development of major muscle groups</li> <li>Development of motor skills</li> <li>Healthy use of the leisure time</li> <li>Development of physical components such as strength, speed, endurance, flexibility, agility</li> <li>Development of co-operative attitude and team spirit</li> <li>Ability to play higher level of competition</li> <li>Knowledge of handling emergency situations and development of quick reaction time</li> </ul>	interest, style and actual performance to be observed Test by relevance Skill test of the concerned game Technical and tactical play should be observed through competitions
SEPTEMBER	<b>HEIGHT &amp; WEIGHT MEASUREMENT FOR HALF-YEARLY EXAMINATION</b>						
OCTOBER	<b>Athletics:</b> • Shot put • Discuss throw  <b>Major Games:</b> • Basket ball • Throw ball  <b>Strand III</b> SEWA (Project)	16	To teach the methods and techniques in track and field events	The teacher will orally explain to the track and field events to the students and made them to do the events	Scientific principles of various events to be explained and demonstrated Video clippings to be used Perfection should be attained in skills by practice.  Starting block Spikes Stop watch Shot – put Discus Javelin High Jump Post Cross bar Pole	<ul style="list-style-type: none"> <li>Improve the motor skill</li> <li>Improvement in cardio-vascular efficiency</li> <li>Ability to participate in higher level of competition</li> <li>Improvement in Neuro-muscular co-ordination</li> <li>Development in patriotism</li> </ul>	Through group competitions Individual performance comparing the time and distance of state and national record to be analysed.
NOVEMBER	<b>Athletics:</b> • Hurdles • Hammer throw  <b>Major Games:</b> • Football • Table Tennis  <b>Weight training or Defensive art or training methods</b>	16	To teach the important of weight training methods	The teacher will orally explain to the weight training methods & events to the students and made them to do the events	Demonstration of the activity by the teacher, practice by the students  Bar-bells Chupnam Drum Music	<ul style="list-style-type: none"> <li>Development of strength in short time (Cardio-Vascular and muscular)</li> <li>Development of performance</li> <li>Improvement of sense of rhythm and timings</li> <li>Appreciation of nature</li> <li>Development of social responsibility, self-confidence, punctuality and cleanliness</li> </ul>	By group competition sense of participation, interest and effort to be assessed

	(Interval, Fan-leg and circuit) and introduction to fundamentals of physical education <b>Strand III:</b> • SEWA (Project)						
<b>DECEMBER</b>	<b>HEIGHT &amp; WEIGHT MEASUREMENT FOR HALF-YEARLY EXAMINATION</b>						
<b>JANUARY</b>	<b>FITNESS TEST:</b> 1. Health Components test 2. Skill components test  <b>Strand IV:</b> • Evaluation (Health and activity)	16	To teach the importance of health and skill	The teacher evaluate health and skill components to the students	Demonstration by the teacher Measuring tape, Churrooan, Spot marker, etc.	The children develop their fitness in both health as well as skill.	Test on various components
<b>FEBRUARY</b>	<b>BMI CALCULATION AND HEALTH CARD ENTRY</b>						
<b>MARCH</b>	<b>HEIGHT &amp; WEIGHT MEASUREMENT FOR YEARLY EXAMINATION</b>						



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**SYLLABUS FOR THE ACADEMIC YEAR 2022-2023**

**STD : XI**

**SUBJECT : ENGLISH**  
**PREPARED ON: 22-04-2022**

MONTH	TOPICS/LESSONS	NO.OF PERIODS
JULY	<ol style="list-style-type: none"> <li>1. Introduction of syllabus and question paper blue print</li> <li>2. The Portrait of a Lady (Hornbill)</li> <li>3. A Photograph (Hornbill)*</li> <li>4. The Summer of the Beautiful Horse (Snapshots)</li> <li>5. Note Making</li> <li>6. We're Not Afraid to Die (Hornbill)</li> <li>7. Classified Advertisements (writing skills)</li> <li>8. Discovering Tut... The Saga continues (Hornbill)</li> <li>9. Revision</li> </ol>	<p>01 03 01 03 03 03 02 03</p>
AUGUST	<ol style="list-style-type: none"> <li>1. The Laburnum Top (Hornbill)*</li> <li>2. The Address (Snapshots)</li> <li>3. Speech Writing (writing skills)</li> <li>4. The voice of the Rain (Hornbill)*</li> <li>5. Posters (writing skills)</li> <li>6. Mother's Day (Snapshots)</li> <li>7. Revision</li> </ol>	<p>02 03 03 02 02 03</p>
SEPTEMBER	<ol style="list-style-type: none"> <li>1. Revision of Reading comprehension-Factual, Descriptive or Literary, Writing skills ,Literature</li> <li>2. Assessment of Speaking and Listening skills</li> </ol> <p><b>QUARTERLY EXAMINATION</b></p>	<p>04 04</p>
OCTOBER	<ol style="list-style-type: none"> <li>1. The Adventure( Hornbill)</li> <li>2. Debate Writing</li> <li>3. Childhood (Hornbill)*</li> <li>4. Silk Road (Hornbill)</li> <li>5. Father to Son (Hornbill)*</li> <li>6. Project work (Selection of topic, preparation of questionnaire)</li> </ol>	<p>04 03 02 04 02</p>
NOVEMBER	<ol style="list-style-type: none"> <li>1. Birth (Snapshots)</li> <li>2. The Tale of Melon City (Snapshots)*</li> <li>3. Project ALS</li> </ol>	<p>03 03</p>
DECEMBER	<p>REVISION</p> <p><b>HALF YEARLY EXAMINATION</b></p>	
JANUARY	<ol style="list-style-type: none"> <li>1. Assessment of Project work, Viva Voce</li> <li>2. Revision in Literature, Writing and Reading comprehension</li> </ol> <p>REVISION</p> <p><b>PRE ANNUAL EXAMINATION</b></p>	
FEBRUARY & MARCH	<p>REVISION</p> <p><b>ANNUAL EXAMINATION</b></p>	

  
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**SUBJECT : MATHEMATICS**  
**PREPARED ON: 22-04-2022**

MONTH	TOPICS	NO. OF PERIODS
<b>JULY</b>	<ul style="list-style-type: none"> <li>• SETS</li> <li>• RELATION AND FUNCTIONS</li> <li>• ACTIVITY-1: To find the number of subsets of a given set</li> </ul>	20 10
<b>AUGUST</b>	<ul style="list-style-type: none"> <li>• RELATION AND FUNCTIONS</li> <li>• TRIGONOMETRY</li> <li>• LINEAR INEQUALITY</li> <li>• ACTIVITY-2: To represent set theoretic operations using Venn diagrams.</li> <li>• ACTIVITY-3: To verify distributive law for three given non-empty sets A, B and C</li> </ul>	10 20 10
<b>SEPTEMBER</b>	<ul style="list-style-type: none"> <li>• SEQUENCE AND SERIES</li> <li>• STRAIGHT LINES</li> <li>• ACTIVITY-4: To find the number of relations from set A to set B</li> <li>• ACTIVITY-5: To distinguish between a Relation and a Function</li> </ul> <p><b>QUARTERLY EXAMINATION</b></p>	10 15
<b>OCTOBER</b>	<ul style="list-style-type: none"> <li>• CONICS</li> <li>• LIMIT AND DERIVATIVES</li> <li>• ACTIVITY-6: To verify the relation between the degree measure and the radian measure of an angle.</li> <li>• ACTIVITY-7: To plot the graphs of <math>\sin x</math>, <math>\sin 2x</math>, <math>2\sin x</math> and <math>\sin x/2</math>, using same coordinate axes</li> </ul>	25 10
<b>NOVEMBER</b>	<ul style="list-style-type: none"> <li>• LIMIT AND DERIVATIVES</li> <li>• COMPLEX NUMBERS AND QUADRATIC EQUATIONS</li> <li>• ACTIVITY-8: To find the values of sine and cosines in second, third and fourth quadrants</li> <li>• ACTIVITY-9: To verify that the graph of a given inequality, say <math>5x + 4y - 40 &lt; 0</math>, of the form <math>ax + by + c &lt; 0</math>, <math>a, b &gt; 0</math>, <math>c &lt; 0</math> represents only one of the two half planes.</li> </ul>	30 10
<b>DECEMBER</b>	<ul style="list-style-type: none"> <li>• PERMUTATION AND COMBINATIONS</li> <li>• BINOMIAL THEOREM</li> <li>• THREE DIMENSIONAL GEOMETRY</li> <li>• ACTIVITY-10: To write the sample space, when a die is rolled once, twice ---</li> </ul> <p><b>HALF YEARLY EXAMINATION</b></p>	10 10 10

<b>JANUARY</b>	<ul style="list-style-type: none"> <li>• STATISTICS</li> <li>• PROBABILITY</li> </ul> <b>PRE ANNUAL EXAMINATION</b>	20 20
<b>FEBRUARY &amp; MARCH</b>	REVISION <b>ANNUAL EXAMINATION</b>	

  
**H.O.D**

  
**VICE PRINCIPAL**

  
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**SR. PRINCIPAL/C.E.O**