

**SRI GURU NANAK PUBLIC SCHOOL, ADARSH NAGAR, DELHI-  
110033 CLASS – XI : SCIENCE  
SYLLABUS BREAKUP 2024-25**

**SUBJECT : ENGLISH CORE(301)**

Dates/ Week	Worki ng ng days	SYLLABUS REFERENCE	LEARNING OBJECTIVES	TEACHING ACTIVITIES	LEARNING RESOURCES
		TOPIC	STUDENTS SHOULD BE ABLE TO		
1 <sup>st</sup> April – 12 <sup>th</sup> April	10	Tenses, Clauses, Comprehension, Ch. 1 - Portrait of a lady	Comprehend textual content, enhance vocabulary, write with proper expression and in coherence, write answers to questions based on texts, develop finer tastes for poetry and prose, enhance English communication skills	ASSIGNMENTS	NCERT Text books, BBC, Rachna Sagar
15 <sup>th</sup> April – 30 <sup>th</sup> April	14	Ch 2 - We are not afraid to die  Ch 3- Discovering Tut Poem : A Photograph	Comprehend textual content, enhance vocabulary, write with proper expression and in coherence, write answers to questions based on texts, develop finer tastes for poetry and prose, enhance English communication skill	ASSIGNMENTS	NCERT Text books, BBC, Rachna Sagar
1 <sup>st</sup> May – 13 <sup>th</sup> May	10	Poster, Advertisement, Ch 1-Summer of Beautiful White Horse	Comprehend textual content, enhance vocabulary, write with proper expression and in coherence, write answers to questions based on texts, develop finer tastes for poetry and prose, enhance English communication skills	Assessment of Listening Skills	NCERT Text books, BBC, Rachna Sagar

<b>1<sup>st</sup> July – 12<sup>th</sup> July</b>	<b>11</b>	<b>Ch 4 -The Address</b>	<b>Comprehend textual content, enhance vocabulary, write with proper expression and in coherence, write answers to questions based on texts, develop finer tastes for poetry and prose, enhance English communication skills</b>	<b>ASSIGNMENTS</b>	<b>NCERT Text books, BBC, Rachna Sagar</b>
<b>15<sup>th</sup> July – 31<sup>st</sup> July</b>	<b>14</b>	<b>Ch 5 -Mother's day, Speech , Sentence Reordering</b>	<b>Comprehend textual content, enhance vocabulary, write with proper expression and in coherence, write answers to questions based on texts, develop finer tastes for poetry and prose, enhance English communication skills</b>	<b>ASSIGNMENTS</b>	<b>NCERT Text books, BBC, Rachna Sagar</b>
<b>1<sup>st</sup> Aug – 14<sup>th</sup> Aug</b>	<b>11</b>	<b>Ch 7 -Adventure Poem-Voice of Rain</b>	<b>Comprehend textual content, enhance vocabulary, write with proper expression and in coherence, write answers to questions based on texts, develop finer tastes for poetry and prose, enhance English communication skills</b>	<b>PROJECT</b>	<b>NCERT Text books, BBC, Rachna Sagar</b>
<b>16<sup>th</sup> Aug – 31<sup>st</sup> Aug</b>	<b>11</b>	<b>Ch 7 -Birth, Poem : The Laburnum Top</b>	<b>Comprehend textual content, enhance vocabulary, write with proper expression and in coherence, write answers to questions based on texts, develop finer tastes for poetry and prose, enhance English communication skills</b>	<b>Assessment of Listening Skills</b>	<b>NCERT Text books, BBC, Rachna Sagar</b>

<b>02<sup>nd</sup> Sept – 07<sup>th</sup> Sept</b>	<b>05</b>	<b>Ch 8 -Silk Road</b>	<b>Comprehend textual content, enhance vocabulary, write with proper expression and in coherence, write answers to questions based on texts, develop finer tastes for poetry and prose, enhance English communication skills</b>	<b>ASSIGNMENTS</b>	<b>NCERT Text books, BBC, Rachna Sagar</b>
<b>09<sup>th</sup> Sept – 20<sup>th</sup> Sept</b>	<b>10</b>	<b>REVISION FOR MID TERM EXAM</b>			
<b>23<sup>rd</sup> SEPT – 7<sup>th</sup> Oct</b>	<b>MID TERM EXAM</b>				
<b>08<sup>th</sup> Oct – 19<sup>th</sup> Oct</b>	<b>06</b>	<b>Debate Writing, Poem-Childhood</b>	<b>Comprehend textual content, enhance vocabulary, write with proper expression and in coherence, write answers to questions based on texts, develop finer tastes for poetry and prose, enhance English communication skills</b>	<b>ASSIGNMENTS</b>	<b>NCERT Text books, BBC, Rachna Sagar</b>
<b>21<sup>st</sup> Oct – 08<sup>th</sup> Nov</b>	<b>11</b>	<b>Poem -Father to Son, Note Making</b>	<b>Comprehend textual content, enhance vocabulary, write with proper expression and in coherence, write answers to questions based on texts, develop finer tastes for poetry and prose, enhance English communication skills</b>	<b>ASSIGNMENTS</b>	<b>NCERT Text books, BBC, Rachna Sagar</b>
<b>11<sup>th</sup> Nov – 30<sup>th</sup> Nov</b>	<b>16</b>	<b>Poem-Tale of Melon City</b>	<b>Comprehend textual content, enhance vocabulary, write with proper expression and in coherence, write answers to questions based on texts, develop finer tastes for poetry and</b>	<b>ASSIGNMENTS</b>	<b>NCERT Text books, BBC, Rachna Sagar</b>

			prose, enhance English communication skills		
02 <sup>nd</sup> Dec – 21 <sup>st</sup> Dec	16	Comprehension, Note Making	Comprehend textual content, enhance vocabulary, write with proper expression and in coherence, write answers to questions based on texts, develop finer tastes for poetry and prose, enhance English communication skills	ASSIGNMENTS	NCERT Text books, BBC, Rachna Sagar
23 <sup>rd</sup> Dec – 06 <sup>th</sup> Jan '25	10	<b>MOCK YEARLY EXAM</b>			
7 <sup>th</sup> Jan'25 – 18 <sup>th</sup> Jan'25	09	Poster, Advertisement	Comprehend textual content, enhance vocabulary, write with proper expression and in coherence, write answers to questions based on texts, develop finer tastes for poetry and prose, enhance English communication skills	ASSIGNMENTS	NCERT Text books, BBC, Rachna Sagar
20 <sup>th</sup> Jan'25 - 07 <sup>th</sup> Feb'25	16	Speech, Debate, Grammar Writing Skill Topics	Comprehend textual content, enhance vocabulary, write with proper expression and in coherence, write answers to questions based on texts, develop finer tastes for poetry and prose, enhance English communication skills	ASSESSMENT OF SPEAKING SKILLS	NCERT Text books, BBC, Rachna Sagar
10 <sup>th</sup> Feb'25 -20 <sup>th</sup> Feb'25	10	<b>REVISION FOR ANNUAL EXAM</b>			
LAST WEEK OF FEB' 25	<b>ANNUAL EXAM</b>				

**SUBJECT : PHYSICS(042)**

Dates/ Week	Worki ng days	SYLLABUS REFERENCE	LEARNING OBJECTIVES	TEACHING ACTIVITIES	LEARNING RESOURCES
		TOPIC	STUDENTS SHOULD BE ABLE TO		
15 <sup>th</sup> April –30 <sup>th</sup> April	14	Ch-1:Physical World	Learners will be able to Understand Scope and application of Physics for the betterment of society.	Smart Board Teaching	<a href="#">N.C.E.RT AND NCERT EXEMPLAR</a>
1 <sup>st</sup> May – 13 <sup>th</sup> May	10	Ch-2:Units And Dimensions  Ch-3:Motion In A Straight Line	<ol style="list-style-type: none"> <li>Learners will be able to understand significance and importance of dimensional analysis.</li> <li>Learners will be able to understand the term motion as a relative term and classification of motion.</li> <li>Learners will be able to understand the significance of three equations of Motion in our daily life along with it mathematical calculus analysis.</li> </ol>	Smart Board Teaching	<a href="#">N.C.E.RT AND NCERT EXEMPLAR</a>
1st July – 12th July	11	Ch-4:Motion In A Plane	<ol style="list-style-type: none"> <li>Learners will be able to understand basics of Scalar and Vector quantities along with its Mathematical analysis (Addition, subtraction, Product, Resolution, Projection).</li> <li>Learners will be able to understand the concept to Projectile and it mathematical analysis (Parabolic path, Maximum height attained, Range, Time off light, Resultant velocity)</li> </ol>	Smart Board Teaching  Lab Activity	N.C.E.RT AND NCERT EXEMPLAR

<b>15th July – 31st July</b>	<b>14</b>	<b>Ch-5:Laws Of Motion</b>	<b>Learners will be able to understand the Concept of force along all the three Newton’s laws of motion.</b>	<b>Smart Board Teaching Lab Activity</b>	<b>N.C.E.RT AND NCERT EXEMPLAR</b>
<b>1st Aug – 14th Aug</b>	<b>11</b>	<b>Ch-6:Work And Energy</b>	<ol style="list-style-type: none"> <li><b>1. Learners will be able to understand the Concept of concurrent forces and dynamics of circular motion.</b></li> <li><b>2. Learners will be able to understand the Basic concept of work done along with its mathematical analysis and Classification of work.</b></li> <li><b>3. Learners will be able to understand the Concept of mechanical energy, different forms energy and its conservation with necessary matical analysis. Learners will be able to understand the Mechanical power</b></li> </ol> <p><b>Along with its Practical and SI units.</b></p>	<b>Smart Board Teaching Lab Activity</b>	<b>N.C.E.RT AND NCERT EXEMPLAR</b>
<b>16<sup>th</sup> Aug– 31<sup>st</sup> Aug</b>	<b>12</b>	<b>Ch-8:Gravitation</b>	<ol style="list-style-type: none"> <li><b>1. Learners will be able to understand Concept of gravitational force between two bodies and its conservative nature.</b></li> <li><b>2. Learners will be able to understand the Concept of variation of acceleration due To gravity with height and depth</b></li> </ol>	<b>Smart Board Teaching Lab Activity</b>	<b>N.C.E.RT AND NCERT EXEMPLAR</b>

02 <sup>nd</sup> Sept – 07 <sup>th</sup> Sept	05	Ch-7:Rotation	<ol style="list-style-type: none"> <li>1. Learners will be able to understand the concept of centre of mass and centre of gravity of a body.</li> <li>2. Learners will be able to understand the Concept of Rotational Dynamics and Equations of motion for rotating body.</li> </ol>	Smart Board Teaching Lab Activity	N.C.E.RT AND NCERT EXEMPLAR
09 <sup>th</sup> Sept – 20 <sup>th</sup> Sept	10	REVISION FOR MID TERM EXAM			
23 <sup>rd</sup> SEPT – 7 <sup>th</sup> Oct	MID TERM EXAM				
08 <sup>th</sup> Oct –19 <sup>th</sup> Oct	06	Ch-8:Mechanics Of Solids	Learners will be able to understand Practicality of different types of Elastic modulli and Relation between stress and strain	Smart Board Teaching  Lab Activity	<a href="#"><u>N.C.E.RT AND NCERT EXEMPLAR</u></a>
21 <sup>st</sup> Oct – 08 <sup>th</sup> Nov	11	Ch-9:Mechanics Of Fluids (Contd..)	<ol style="list-style-type: none"> <li>1. Learners will be able to understand Practicality of Fluid dynamics in real life (Pascal’s Law, Bernoulli’s theorem, Magnus Effect)</li> <li>2. Learners will be able to understand Concept of surface Tension</li> </ol>	Smart Board Teaching  Lab Activity	<a href="#"><u>N.C.E.RT AND NCERT EXEMPLAR</u></a>
11 <sup>th</sup> Nov –30 <sup>th</sup> Nov	16	Ch-10:Thermal Properties Of Matter	Learners will be able to understand the Different methods of heat transfer, Concept of thermal expansion and Laws of cooling	Smart Board Teaching  Lab Activity	<a href="#"><u>N.C.E.RT AND NCERT EXEMPLAR</u></a>
02 <sup>nd</sup> Dec –21 <sup>st</sup> Dec	16	Ch-11: Thermodynamics	<ol style="list-style-type: none"> <li>1. Learners will be able to understand the Concept of Heat, work and Internal energy of the system.</li> <li>2. Learners will be able to understand the Principle of Heat Engine and Refrigerator.</li> </ol>	Smart Board Teaching  Lab Activity	N.C.E.RT AND NCERT EXEMPLAR

23 <sup>rd</sup> Dec -06 <sup>th</sup> Jan '25	10	<b>MOCK YEARLY EXAM</b>			
7 <sup>th</sup> Jan'25 -18 <sup>th</sup> Jan'25	09	Ch-13: Oscillations	<ol style="list-style-type: none"> <li>1. Learners will be able to understand the basic concept of generation of waves along with its Classification and Mathematical analysis and SHM.</li> <li>2. Learners will be able to understand the Concept of Different forms of energy possessed by a body executing SHM with its mathematical analysis.</li> <li>3. Learners will be able to understand the Concept of Resonance, free oscillations And maintained oscillations.</li> </ol>	Smart Board Teaching Lab Activity	N.C.E.RT AND NCERT EXEMPLAR
20 <sup>th</sup> Jan'25 - 07 <sup>th</sup> Feb'25	16	Ch-14 :Waves	<ol style="list-style-type: none"> <li>1. Learners will be able to do Mathematical analysis of waves along its basic parameters(Amplitude, Frequency and Phase)</li> <li>2. Learners will be able to understand the concept of reflection of waves along with concept of harmonics.</li> <li>3. Learners will be able to understand the Practicality in variation in frequency of sound due to relative motion between Source and observer.</li> </ol>	Smart Board Teaching Lab Activity	N.C.E.RT AND NCERT EXEMPLAR
10 <sup>th</sup> Feb'25 -20 <sup>th</sup> Feb'25	10	<b>REVISIONFORANNUAL EXAM</b>			
<b>LAST WEEK OF FEB' 25</b>		<b>ANNUALEXAM</b>			



**SUBJECT : CHEMISTRY(043)**

Dates/ Week	Working days	SYLLABUS REFERENCE	LEARNING OBJECTIVES	TEACHING ACTIVITIES	LEARNING RESOURCES
		TOPIC	STUDENTS SHOULD BE ABLE TO		
1 <sup>st</sup> April – 12 <sup>th</sup> April	10	CH-8 : Redox Reaction	<ol style="list-style-type: none"> <li>1. Know the concept of redox reactions</li> <li>2. Calculate oxidation numbers.</li> </ol>	<p>Videos on smart panel board from Shiksha House youtube channel  <a href="https://www.youtube.com/watch?v=rvqLff_eJR8&amp;list=PLWUtJwe9Mk5095Gc0BSXsT1HqBuSIVotv">https://www.youtube.com/watch?v=rvqLff_eJR8&amp;list=PLWUtJwe9Mk5095Gc0BSXsT1HqBuSIVotv</a></p>	<p><a href="https://byjus.com/ncert-solutions-class-11-chemistry/">https://byjus.com/ncert-solutions-class-11-chemistry/</a>  <a href="https://unacademy.com/goal/c_bse-class-11/GWDPZ/free-platform/chemistry/HHIUG">https://unacademy.com/goal/c_bse-class-11/GWDPZ/free-platform/chemistry/HHIUG</a>  <a href="https://www.vedantu.com/revision-notes/cbse-class-11-chemistry-notes">https://www.vedantu.com/revision-notes/cbse-class-11-chemistry-notes</a></p>
15 <sup>th</sup> April – 30 <sup>th</sup> April	14	CH-8 : Redox Reaction(contd.)	Do the balancing of redox reactions	Videos on smart panel board from Shiksha House youtube channel	
1 <sup>st</sup> May – 13 <sup>th</sup> May	10	CH- 1 : Basic Concepts of Chemistry	<ol style="list-style-type: none"> <li>1. Understand the importance and nature of matter</li> <li>2. Know the concept of chemical composition</li> <li>3. Calculate concentration and formula</li> </ol>	<p>Videos on smart panel board from Shiksha House youtube channel  <a href="https://www.youtube.com/watch?v=rvqLff_eJR8&amp;list=PLWUtJwe9Mk5095Gc0BSXsT1HqBuSIVotv">https://www.youtube.com/watch?v=rvqLff_eJR8&amp;list=PLWUtJwe9Mk5095Gc0BSXsT1HqBuSIVotv</a></p>	<p><a href="https://byjus.com/ncert-solutions-class-11-chemistry/">https://byjus.com/ncert-solutions-class-11-chemistry/</a>  <a href="https://unacademy.com/goal/c_bse-class-11/GWDPZ/free-platform/chemistry/HHIUG">https://unacademy.com/goal/c_bse-class-11/GWDPZ/free-platform/chemistry/HHIUG</a></p>

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1 <sup>st</sup> July –12 <sup>th</sup> July	11	CH-2 : Structure of Atom	<ol style="list-style-type: none"> <li>1. Know the different atomic models</li> <li>2. Learn different quantum numbers and the rules</li> </ol>	<p>Videos on smart panel board from Shiksha House youtube channel  <a href="https://www.youtube.com/watch?v=rvqLff_eJR8&amp;list=PLWUtJwe9Mk5095Gc0BSXsT1HqBuSIVotv">https://www.youtube.com/watch?v=rvqLff_eJR8&amp;list=PLWUtJwe9Mk5095Gc0BSXsT1HqBuSIVotv</a></p>	<a href="https://byjus.com/ncert-solutions-class-11-chemistry/">https://byjus.com/ncert-solutions-class-11-chemistry/</a> <a href="https://unacademy.com/goal/cbse-class-11/GWDPZ/free-platform/chemistry/HHIUG">https://unacademy.com/goal/cbse-class-11/GWDPZ/free-platform/chemistry/HHIUG</a> <a href="https://www.vedantu.com/revision-notes/cbse-class-11-chemistry-notes">https://www.vedantu.com/revision-notes/cbse-class-11-chemistry-notes</a>
15 <sup>th</sup> July –31 <sup>st</sup> July	14	CH-2 : Structure of Atom	Understand and calculate the electronic configuration of atoms based on quantum theory	<p>Videos on smart panel board from Shiksha House youtube channel  <a href="https://www.youtube.com/watch?v=rvqLff_eJR8&amp;list=PLWUtJwe9Mk5095Gc0BSXsT1HqBuSIVotv">https://www.youtube.com/watch?v=rvqLff_eJR8&amp;list=PLWUtJwe9Mk5095Gc0BSXsT1HqBuSIVotv</a></p>	<a href="https://byjus.com/ncert-solutions-class-11-chemistry/">https://byjus.com/ncert-solutions-class-11-chemistry/</a> <a href="https://unacademy.com/goal/cbse-class11/GWDPZ/free-platform/chemistry/HHIUG">https://unacademy.com/goal/cbse-class11/GWDPZ/free-platform/chemistry/HHIUG</a> <a href="https://www.vedantu.com/revision-notes/cbse-class-11-chemistry-notes">https://www.vedantu.com/revision-notes/cbse-class-11-chemistry-notes</a>
1 <sup>st</sup> Aug –14 <sup>th</sup> Aug	11	CH-3 : Classification of Elements and Periodicity in Properties	<ol style="list-style-type: none"> <li>1. Know the history of the periodic table.</li> <li>2. Understand the periodic trends in properties of elements</li> </ol>	<p>Videos on smart panel board from Shiksha House youtube channel  <a href="https://www.youtube.com/watch?v=rvqLff_eJR8&amp;list=PLWUtJwe9Mk5095Gc0BSXsT1HqBuSIVotv">https://www.youtube.com/watch?v=rvqLff_eJR8&amp;list=PLWUtJwe9Mk5095Gc0BSXsT1HqBuSIVotv</a></p>	<a href="https://byjus.com/ncert-solutions-class-11-chemistry/">https://byjus.com/ncert-solutions-class-11-chemistry/</a> <a href="https://unacademy.com/goal/cbse-class-11/GWDPZ/free-platform/chemistry/HHIUG">https://unacademy.com/goal/cbse-class-11/GWDPZ/free-platform/chemistry/HHIUG</a> <a href="https://www.vedantu.com/revision-notes/cbse-class-11-chemistry-notes">https://www.vedantu.com/revision-notes/cbse-class-11-chemistry-notes</a>

16 <sup>th</sup> Aug –31 <sup>st</sup> Aug	11	CH- 4 : Chemical Bonding and Molecular Structure	<ol style="list-style-type: none"> <li>1. Learn different bond parameters and their applications</li> <li>2. Draw the Lewis structures of various covalent molecules</li> </ol>	Videos on smart panel board from Shiksha House youtube channel <a href="https://www.youtube.com/watch?v=rvqLff_eJR8&amp;list=PLWUtJwe9Mk5095Gc0BSXsT1HqBuSIVotv">https://www.youtube.com/watch?v=rvqLff_eJR8&amp;list=PLWUtJwe9Mk5095Gc0BSXsT1HqBuSIVotv</a>	<a href="https://byjus.com/ncert-solutions-class-11-chemistry/">https://byjus.com/ncert-solutions-class-11-chemistry/</a> <a href="https://unacademy.com/goal/c_bse-class-11/GWDPZ/free-platform/chemistry/HHIUG">https://unacademy.com/goal/c_bse-class-11/GWDPZ/free-platform/chemistry/HHIUG</a> <a href="https://www.vedantu.com/revision-notes/cbse-class-11-chemistry-notes">https://www.vedantu.com/revision-notes/cbse-class-11-chemistry-notes</a>
02 <sup>nd</sup> Sept – 07 <sup>th</sup> Sept	05	CH- 4 : Chemical Bonding and Molecular Structure	<ol style="list-style-type: none"> <li>1. Understand the concept of Hybridization</li> <li>2. Learn the limitations of valence bond theory.</li> <li>3. Understand the concept of molecular orbital theory</li> </ol>	Videos on smart panel board from Shiksha House youtube channel <a href="https://www.youtube.com/watch?v=rvqLff_eJR8&amp;list=PLWUtJwe9Mk5095Gc0BSXsT1HqBuSIVotv">https://www.youtube.com/watch?v=rvqLff_eJR8&amp;list=PLWUtJwe9Mk5095Gc0BSXsT1HqBuSIVotv</a>	<a href="https://byjus.com/ncert-solutions-class-11-chemistry/">https://byjus.com/ncert-solutions-class-11-chemistry/</a> <a href="https://unacademy.com/goal/c_bse-class-11/GWDPZ/free-platform/chemistry/HHIUG">https://unacademy.com/goal/c_bse-class-11/GWDPZ/free-platform/chemistry/HHIUG</a> <a href="https://www.vedantu.com/revision-notes/cbse-class-11-chemistry-notes">https://www.vedantu.com/revision-notes/cbse-class-11-chemistry-notes</a>
09 <sup>th</sup> Sept –20 <sup>th</sup> Sept	10	<b>REVISION FOR MID TERM EXAM</b>			
23 <sup>rd</sup> Sept – 7 <sup>th</sup> Oct	<b>MID TERM EXAM</b>				
			1. Know the concept of types of systems and state variables	Videos on smart panel board from Shiksha House	<a href="https://byjus.com/ncert-solutions-class-11-chemistry/">https://byjus.com/ncert-solutions-class-11-chemistry/</a> <a href="https://">https://</a>

08 <sup>th</sup> Oct –19 <sup>th</sup> Oct	06	CH-6 : Chemical Thermodynamics	2. Learn first law of thermodynamics and internal energy	youtube channel <a href="https://www.youtube.com/watch?v=rvqLff_eJR8&amp;list=PLWUtJwe9Mk5095Gc0BSXsT1HqBuSIVotv">https://www.youtube.com/watch?v=rvqLff_eJR8&amp;list=PLWUtJwe9Mk5095Gc0BSXsT1HqBuSIVotv</a>	<a href="https://unacademy.com/goal/cbse-class-11/GWDPZ/free-platform/chemistry/HHIUG">/unacademy.com/goal/cbse-class-11/GWDPZ/free-platform/chemistry/HHIUG</a> <a href="https://www.vedantu.com/revision-notes/cbse-class-11-chemistry-notes">https://www.vedantu.com/revision-notes/cbse-class-11-chemistry-notes</a>
21 <sup>st</sup> Oct –08 <sup>th</sup> Nov	11	CH-6 : Chemical Thermodynamics	1. Know the relationship between delta U and delta H 2. Apply Hess law for calculating delta H. 3. Learn thermodynamics 2nd and 3rd law	Videos on smart panel board from Shiksha House youtube channel <a href="https://www.youtube.com/watch?v=rvqLff_eJR8&amp;list=PLWUtJwe9Mk5095Gc0BSXsT1HqBuSIVotv">https://www.youtube.com/watch?v=rvqLff_eJR8&amp;list=PLWUtJwe9Mk5095Gc0BSXsT1HqBuSIVotv</a>	<a href="https://byjus.com/ncert-solutions-class-11-chemistry/">https://byjus.com/ncert-solutions-class-11-chemistry/</a> <a href="https://unacademy.com/goal/cbse-class-11/GWDPZ/free-platform/chemistry/HHIUG">https://unacademy.com/goal/cbse-class-11/GWDPZ/free-platform/chemistry/HHIUG</a> <a href="https://www.vedantu.com/revision-notes/cbse-class-11-chemistry-notes">https://www.vedantu.com/revision-notes/cbse-class-11-chemistry-notes</a>
11 <sup>th</sup> Nov –30 <sup>th</sup> Nov	16	CH-7 : Equilibrium	1. Know the equilibrium in physical and chemical processes. 2. Apply Le Chatelier's principle for reversible reactions. 3. Learn the concept of acid bases. 4. Know the concept of pH, solubility product, common ion effect.	Videos on smart panel board from Shiksha House youtube channel <a href="https://www.youtube.com/watch?v=rvqLff_eJR8&amp;list=PLWUtJwe9Mk5095Gc0BSXsT1HqBuSIVotv">https://www.youtube.com/watch?v=rvqLff_eJR8&amp;list=PLWUtJwe9Mk5095Gc0BSXsT1HqBuSIVotv</a>	<a href="https://byjus.com/ncert-solutions-class-11-chemistry/">https://byjus.com/ncert-solutions-class-11-chemistry/</a> <a href="https://unacademy.com/goal/cbse-class-11/GWDPZ/free-platform/chemistry/HHIUG">https://unacademy.com/goal/cbse-class-11/GWDPZ/free-platform/chemistry/HHIUG</a> <a href="https://www.vedantu.com/revision-notes/cbse-class-11-chemistry-notes">https://www.vedantu.com/revision-notes/cbse-class-11-chemistry-notes</a>

02 <sup>nd</sup> Dec –21 <sup>st</sup> Dec	16	CH-12 : Organic Chemistry some basic principles and techniques	<ol style="list-style-type: none"> <li>1. Understand the general principles of organic chemistry</li> <li>2. Know the idea of the mechanism of organic reactions</li> <li>3. Understand and learn the types of reactions.</li> </ol> <p>Understand the fission of covalent bond</p>	<p>Videos on smart panel board from Shiksha House youtube channel  <a href="https://www.youtube.com/watch?v=rvqLff_eJR8&amp;list=PLWUtJwe9Mk5095Gc0BSXsT1HqBuSIVotv">https://www.youtube.com/watch?v=rvqLff_eJR8&amp;list=PLWUtJwe9Mk5095Gc0BSXsT1HqBuSIVotv</a></p>	<p><a href="https://byjus.com/ncert-solutions-class-11-chemistry/">https://byjus.com/ncert-solutions-class-11-chemistry/</a>  <a href="https://unacademy.com/goal/c_bse-class-11/GWDPZ/free-platform/chemistry/HHIUG">https://unacademy.com/goal/c_bse-class-11/GWDPZ/free-platform/chemistry/HHIUG</a>  <a href="https://www.vedantu.com/review/sion-notes/cbse-class-11-chemistry-notes">https://www.vedantu.com/review/sion-notes/cbse-class-11-chemistry-notes</a></p>
23 <sup>rd</sup> Dec –06 <sup>th</sup> Jan '25	10	<b>MOCK YEARLY EXAM</b>			
7 <sup>th</sup> Jan'25 – 18 <sup>th</sup> Jan'25	09	CH-13: Hydrocarbons	<ol style="list-style-type: none"> <li>1. Know the classification of</li> <li>2. Learn the structures and IUPAC names.</li> <li>3. Learn the preparations and properties of alkenes</li> </ol>	<p>Videos on smart panel board from Shiksha House youtube channel  <a href="https://www.youtube.com/watch?v=rvqLff_eJR8&amp;list=PLWUtJwe9Mk5095Gc0BSXsT1HqBuSIVotv">https://www.youtube.com/watch?v=rvqLff_eJR8&amp;list=PLWUtJwe9Mk5095Gc0BSXsT1HqBuSIVotv</a></p>	<p><a href="https://byjus.com/ncert-solutions-class-11-chemistry/">https://byjus.com/ncert-solutions-class-11-chemistry/</a>  <a href="https://unacademy.com/goal/c_bse-class-11/GWDPZ/free-platform/chemistry/HHIUG">https://unacademy.com/goal/c_bse-class-11/GWDPZ/free-platform/chemistry/HHIUG</a>  <a href="https://www.vedantu.com/review/sion-notes/cbse-class-11-chemistry-notes">https://www.vedantu.com/review/sion-notes/cbse-class-11-chemistry-notes</a></p>
20 <sup>th</sup> Jan'25 - 07 <sup>th</sup> Feb'25	16	CH-13: Hydrocarbons (Contd...)	<ol style="list-style-type: none"> <li>1. Understand and learn the preparation and properties of alkyne</li> <li>2. Understand the properties of benzene</li> <li>3. Learn the reactions of</li> </ol>	<p>Videos on smart panel board from Shiksha House youtube channel  <a href="https://www.youtube.com/watch?v=rvqLff_eJR8&amp;list=PLWUtJwe9Mk5095Gc0BSXsT1HqBuSIVotv">https://www.youtube.com/watch?v=rvqLff_eJR8&amp;list=PLWUtJwe9Mk5095Gc0BSXsT1HqBuSIVotv</a></p>	<p><a href="https://byjus.com/ncert-solutions-class-11-chemistry/">https://byjus.com/ncert-solutions-class-11-chemistry/</a>  <a href="https://unacademy.com/goal/c_bse-class-11/GWDPZ/free-platform/chemistry/HHIUG">https://unacademy.com/goal/c_bse-class-11/GWDPZ/free-platform/chemistry/HHIUG</a></p>

			aromatic compounds 4. Understand the resonance effect of various groups present on benzene	BSXsT1HqBuSIVotv	<a href="https://www.vedantu.com/revision-notes/cbse-class-11-chemistry-notes">UG https://www.vedantu.com/revision-notes/cbse-class-11-chemistry-notes</a>
10 <sup>th</sup> Feb'25 -20 <sup>th</sup> Feb'25	10	REVISION FOR ANNUAL EXAM			
LAST WEEK OF FEB' 25	ANNUAL EXAM				

**SUBJECT : MATHEMATICS(Code 041)**

MONTH	NO. OF WORKING DAYS	SYLLABUS REFERENCE	LEARNING OBJECTIVES	TEACHING ACTIVITIES	LEARNING RESOURCES
		TOPIC	STUDENTS SHOULD BE ABLE		
12 <sup>th</sup> APR-30 <sup>th</sup> APR	15	CH 9 Sequence and Series	Geometric Progression (G.P), Relation between Arithmetic mean and Geometric mean.	PRACTICE SHEET	NCERT TEXTBOOK & EXEMPLAR , ALL IN ONE BY ARIHANT PUBLICATIONS
		CH 5 Complex Numbers and Quadratic Equations	Need of complex numbers, use of complex numbers, modulus and conjugate of complex numbers.		
1 <sup>st</sup> MAY -13 <sup>th</sup> MAY	10	CH 1 SETS	To understand Concept of sets, subsets ,powerset and apply them to problems. problem pictorially using venn diagrams.	PRACTICE SHEET	NCERT TEXTBOOK & EXEMPLAR , ALL IN ONE BY ARIHANT PUBLICATIONS

<b>1<sup>st</sup> JULY - 12<sup>th</sup> JULY</b>	<b>11</b>	<b>CH 2 RELATION FUNCTION</b>	<b>To understand relation and functions., To identify domain and codomain of functions</b>	<b>PRACTICE SHEET</b>	<b>NCERT TEXTBOOK &amp; EXEMPLAR , ALL IN ONE BY ARIHANT PUBLICATIONS</b>
<b>15<sup>th</sup> JULY – 31<sup>st</sup> JULY</b>	<b>14</b>	<b>CH 3 TRIGONOMETRIC FUNCTIONS</b>	<b>To solve problems on radianand degree measure of angles.  To use identities in solving problems.</b>	<b>PRACTICE SHEET</b>	<b>NCERT TEXTBOOK &amp; EXEMPLAR , ALL IN ONE BY ARIHANT PUBLICATIONS</b>
<b>1<sup>st</sup> AUG - 14<sup>th</sup> AUG</b>	<b>11</b>	<b>CH 6 LINEAR INEQUALITIES</b>	<b>To find graphical solutions to system of equations</b>	<b>PRACTICE SHEET</b>	<b>NCERT TEXTBOOK &amp; EXEMPLAR , ALL IN ONE BY ARIHANT PUBLICATIONS</b>
<b>16<sup>th</sup> Aug – 31<sup>st</sup> Aug</b>	<b>11</b>	<b>CH 6 LINEAR INEQUALITIES</b>	<b>To find graphical solutions to system of equations</b>	<b>PRACTICE SHEET</b>	<b>NCERT TEXTBOOK &amp; EXEMPLAR , ALL IN ONE BY ARIHANT PUBLICATIONS</b>
<b>02<sup>nd</sup> Sept – 07<sup>th</sup> Sept</b>	<b>05</b>	<b>CH 15 STATISTICS</b>	<b>To find mean deviation about mean, median .variance &amp; standard deviation for all types of data .</b>	<b>PRACTICE SHEET</b>	<b>NCERT TEXTBOOK &amp; EXEMPLAR , ALL IN ONE BY ARIHANT PUBLICATIONS</b>
<b>09<sup>th</sup> Sept – 20<sup>th</sup> Sept</b>	<b>10</b>	<b>REVISION FOR MID TERM EXAMS</b>			

23 <sup>rd</sup> SEPT - 7 <sup>th</sup> OCT					
8 <sup>th</sup> OCT- 19 <sup>th</sup> OCT	6	CH 7 PERMUTATIONS AND COMBINATIONS	Number of ways in which a particular arrangement can be done.	PRACTICE SHEET	NCERT TEXTBOOK & EXEMPLAR , ALL IN ONE BY ARIHANT PUBLICATIONS
21 <sup>st</sup> OCT- 8 <sup>th</sup> NOV	11	CH 7 PERMUTATIONS AND COMBINATIONS (CONTD)	Number of ways in which a particular combinations can be done.	PRACTICE SHEET	NCERT TEXTBOOK & EXEMPLAR , ALL IN ONE BY ARIHANT PUBLICATIONS
		CH 8 BINOMIAL THEOREM	To find expansion using binomial theorem.		
11 <sup>th</sup> NOV- 30 <sup>th</sup> NOV	16	CH 10 STRAIGHT LINES	To find Slope of line, Calculate angle between 2 line, To use various forms of equation of line. To calculate distance between 2 parallel lines.	PRACTICE SHEET	NCERT TEXTBOOK & EXEMPLAR , ALL IN ONE BY ARIHANT PUBLICATIONS
2 <sup>st</sup> DEC- 21 <sup>st</sup> DEC	16	CH 12 THREE DIMENSIONAL GEOMETRY	To understand coordinate axes, octants, planes, coordinates of a point distance between two points .	PRACTICE SHEET	NCERT TEXTBOOK & EXEMPLAR , ALL IN ONE BY ARIHANT PUBLICATIONS
		CH 11 CONIC SECTION	To find equation of circle in various forms. To understand the geometry of conic sections. To find equations of parabola, ellipse,hyperbola. To apply the knowledge of conic section.		



23 <sup>rd</sup> DEC'24- 6 <sup>th</sup> JAN' 25	10	MOCK YEARLY EXAM		
7 <sup>th</sup> JAN'25- 18 <sup>th</sup> JAN'25	9	CH 16 PROBABILITY	To find sample space, To identify between Exhaustive events and mutually exclusive events.	PRACTICE SHEET  NCERT TEXTBOOK & EXEMPLAR , ALL IN ONE BY ARIHANT PUBLICATIONS
20 <sup>th</sup> JAN'25 -7 <sup>th</sup> FEB'25	16	CH 13 LIMITS & DERIVATIVES	To understand limiting values of different functions like trigonometric , polynomial. To understand the concept of derivatives , calculation of derivatives using first principle, To use various rules for finding derivatives	PRACTICE SHEET  NCERT TEXTBOOK & EXEMPLAR , ALL IN ONE BY ARIHANT PUBLICATIONS
10 <sup>th</sup> FEB- 20 <sup>th</sup> FEB'25	10	REVISION FOR YEARLY EXAM		
LAST WEEK OF FEB 2025		YEARLY EXAM		

**SUBJECT : BIOLOGY(044)**

Dates/ Week	Worki ng days	SYLLABUS REFERENCE	LEARNING OBJECTIVES	TEACHING ACTIVITIES	LEARNING RESOURCES
		TOPIC	STUDENTS SHOULD BE ABLE TO		
1 <sup>st</sup> April -12 <sup>th</sup> April	10	Chapter-17: Breathing and Exchange of Gases	Respiratory organs in animals (recall only); Respiratory system in humans; mechanism of breathing and its regulation in humans - exchange of gases, transport of gases and regulation of respiration, respiratory volume;	Used videos to show the mechanism of breathing in humans, study about respiratory disorders.	Bank of biology

			disorders related to respiration - asthma, emphysema, occupational respiratory disorders		
15 <sup>th</sup> April – 30 <sup>th</sup> April	14	Chapter-18: Body Fluids and Circulation	Composition of blood, blood groups, coagulation of blood; composition of lymph and its function; human circulatory system - Structure of human heart and blood vessels; cardiac cycle, cardiac output, ECG	Preparation of blood smears to study different types of components of blood.	Biology lab
1 <sup>st</sup> May – 13 <sup>th</sup> May	10	Chapter-2: Biological Classification	Chapter-2: Biological Classification Five kingdom classification; Salient features and classification of Monera, Protista and Fungi into major groups; Lichens, Viruses and Viroids.	Observation of animal specimen and slides of various phyla	Biology lab
1 <sup>st</sup> July – 12 <sup>th</sup> July	11	Chapter-4: Animal Kingdom	Chapter-4: Animal Kingdom Salient features and classification of animals, non-chordates up to phyla level and chordates up to class level (salient features and at a few examples of each category). (No live animals or specimen should be displayed.)	Observation of animal specimen and slides of various phyla	Biology lab

<p>15<sup>th</sup> July – 31<sup>st</sup> July</p>	<p>14</p>	<p>Chapter-4: Animal Kingdom 20: Locomotion and Movement  CH 20 SKELETON SYSTEM</p>	<p>(salient features and at a few examples of each category). (No live animals or specimen should be displayed.) Skeletal system and its functions; joints; disorders of muscular and skeletal systems - myasthenia gravis, tetany, muscular dystrophy, arthritis, Chapter-20: Locomotion and Movement osteoporosis, gout.· Types of movement - ciliary, flagellar, muscular; ·Chapter-</p>	<p>Observation of animal specimen and slides of various phyla  Observe and the bone set of human skeleton system to study various types of bones and its composition</p>	<p>Biology lab  Biology lab</p>
<p>1<sup>st</sup> Aug – 14<sup>th</sup> Aug</p>	<p>11</p>	<p>Chapter-8: Cell-The Unit of Life</p>	<p>Chapter-8: Cell-The Unit of Life Cell theory and cell as the basic unit of life, structure of prokaryotic and eukaryotic cells; Plant cell and animal cell; cell envelope; cell membrane, cell wall; cell organelles - structure and function; endomembrane system, endoplasmic reticulum, golgi bodies, lysosomes, vacuoles, mitochondria, ribosomes, plastids, microbodies; cytoskeleton, cilia, flagella, centrioles (ultrastructure and function); nucleus.</p>	<p>Observe and study various types of cells with the help of temporary and permanent slide preparation.</p>	<p>Biology lab</p>
<p>16<sup>th</sup> Aug – 31<sup>st</sup> Aug</p>	<p>11</p>	<p>Chapter-22: Chemical Coordination and Integration</p>	<p>Chapter-22: Chemical Coordination and Integration Endocrine glands and hormones; human endocrine system - hypothalamus, pituitary, pineal, thyroid, parathyroid, adrenal, pancreas, gonads; mechanism of hormone action (elementary idea); role of hormones as messengers and regulators, hypo - and hyperactivity and related</p>	<p>Study the role of various hormone sin human body and also to know about the hormonal disorders.</p>	<p>Various source like books and and internet.</p>

02 <sup>nd</sup> Sept –07 <sup>th</sup> Sept	05	Chapter-22: Chemical Coordination and Integration	Disorders; dwarfism, acromegaly, cretinism, goiter, exophthalmic goitre, diabetes, Addison's disease. Note: Diseases related to all the human physiological systems to be taught in brief.	Study the role of various hormone in human body and also to know about the hormonal disorders	Various source like books and internet.
09 <sup>th</sup> Sept – 20 <sup>th</sup> Sept	10	<b>REVISION FOR MID TERM EXAM</b>			
23 <sup>rd</sup> SEPT – 7 <sup>th</sup> Oct	<b>MID TERM EXAM</b>				
08 <sup>th</sup> Oct – 19 <sup>th</sup> Oct	06	Ch-9: Biomolecules	Chapter-9: Biomolecules Chemical constituents of living cells: biomolecules, structure and function of proteins, carbohydrates, lipids, nucleic acids; Enzyme - types, properties, enzyme action. (Topics excluded: Nature of Bond Linking Monomers in a Polymer, Dynamic State of Body Constituents – Concept of Metabolism, Metabolic Basis of Living, The Living State)	To study the action of salivary action on substrate starch to know about the enzymatic action .  To study the effect of temperature and ph on the enzymatic action	Biology lab
21 <sup>st</sup> Oct – 08 <sup>th</sup> Nov	11	Ch-10: Cell Cycle and Cell Division	Cell cycle, mitosis, meiosis and their significance	Study the stages of mitosis and meiosis through temporary and permanent slides.	Biology lab
11 <sup>th</sup> Nov –30 <sup>th</sup> Nov	16	Ch-19: Excretory Products and their Elimination	Modes of excretion - ammonotelism, ureotelism, uricotelism; human excretory system – structure and function; urine formation, osmoregulation; regulation of kidney function - renin - angiotensin, atrial natriuretic factor, ADH and diabetes insipidus; role of other organs in excretion; disorders - uremia, renal	Study about hemodialysis	Through internet videos and review studies

			failure, renal calculi, nephritis; dialysis and artificial kidney, kidney transplant		
02 <sup>nd</sup> Dec – 21 <sup>st</sup> Dec	16	Chapter-13: Photosynthesis in Higher Plants	Photosynthesis as a means of autotrophic nutrition; site of photosynthesis, pigments involved in photosynthesis (elementary idea); photochemical and biosynthetic phases of photosynthesis; cyclic and non-cyclic photophosphorylation; chemiosmotic hypothesis; photorespiration. C3 and C4 pathways; factors affecting photosynthesis.	To perform activities showing that co <sub>2</sub> , water, sunlight and chlorophyll are necessary conditions for photosynthesis	Biology lab  Biology lab
23 <sup>rd</sup> Dec – 06 <sup>th</sup> Jan '25	10	<b>MOCK YEARLY EXAM</b>			
7 <sup>th</sup> Jan '25 – 18 <sup>th</sup> Jan '25	09	Chapter-14: Respiration in Plants	; Chapter-14: Respiration in Plants Exchange of gases; cellular respiration - glycolysis, fermentation (anaerobic), TCA cycle	To perform activities showing that co <sub>2</sub> , water, sunlight and chlorophyll are necessary conditions for photosynthesis	Biology lab
20 <sup>th</sup> Jan '25 - 07 <sup>th</sup> Feb '25	16	Ch 5 Plant morphology	Study of various plant modifications, stypes of roots, flors, leaves, fruit formation and types	Conduct quiz related to respiratory pathways like glycolysis,	Various internet sources Visit to near by garden for study various types of plant morphology.
10 <sup>th</sup> Feb '25 - 20 <sup>th</sup> Feb '25	10	<b>REVISION FOR ANNUAL EXAM</b>			
LAST WEEK OF FEB '25	<b>ANNUAL EXAM</b>				

**SUBJECT : COMPUTER SCIENCE(083)**

Dates/ Week	Working days	SYLLABUS REFERENCE	LEARNING OBJECTIVES	TEACHING ACTIVITIES	LEARNING RESOURCES
		TOPIC	STUDENTS SHOULD BE ABLE TO		
15 <sup>th</sup> April – 30 <sup>th</sup> April	14	Ch 1 : Computer System: Input – Output Unit , Memory Unit, Mobile system  Ch 6 : Getting Started with Python	The learner :- -Identifies different input-output devices. - Their functioning. -Usage  Ability to understand and apply basic computational thinking. 2. Logic of Programming language	Observe the functioning of computer system. Work with different input- output devices.  Chart for Introduction of Python as Programming language. Plus and Minus of Python.	<a href="https://www.youtube.com/watch?v=q4nWVTJv4V8">Link of youtube video: https://www.youtube.com/w atch?v=q4nWVTJv4V8</a> <a href="https://www.youtube.com/watch?v=aKjc3q1oGG4">Link of youtube video: https://www.youtube.com/w atch?v=aKjc3q1oGG4</a>  Link of youtube video: https://www.youtube.com/w atch?v=dwl41ebTOxA
1 <sup>st</sup> May – 13 <sup>th</sup> May	10	Ch 7 : Python Fundamentals	Ability to understand the notion of Python Fundamentals 2. Tokens. 3. Expressions	Debugging Python code	<a href="https://www.youtube.com/watch?v=L21L-Rp5j7l">Link of youtube video: https://www.youtube.com/w atch?v=L21L-Rp5j7l</a>
1 <sup>st</sup> July – 12 <sup>th</sup> July	11	Ch 8 : Python Data Handling	Data types and how to use it in different situations.	Flash cards for different data types	<a href="https://www.youtube.com/watch?v=L21L-Rp5j7l">Link of youtube video: https://www.youtube.com/w atch?v=L21L-Rp5j7l</a>

15 <sup>th</sup> July – 31 <sup>st</sup> July	14	Ch 9 : Flow of Control	<b>1. Conditional statements:</b> <b>if, if- else, if-elif-else;</b> <b>2. Notion of iterative computation and control flow:</b> <b>for(range(), len()), while, using flowcharts.</b>	<b>Programs :</b> <b>a) to compute absolute value</b> <b>b) divisibility of a number.</b> <b>c) table of a number</b> <b>d) Fibonacci , tribonacci series</b>	Computer Science by Preeti Arora
1 <sup>st</sup> Aug – 14 <sup>th</sup> Aug	11	Ch 10 : String Manipulation	<b>1. Definition, Creation of a string, Traversal of a string.</b> <b>2.Operations on a string ,</b> <b>3. Functions/methods,</b> <b>4. String Slicing</b>	<b>Program for :</b> <b>a) checking palindrome.</b> <b>b) to show number of vowels in a string.</b> <b>To count strings starting with 'A'</b>	Computer Science by Preeti Arora
16 <sup>th</sup> Aug – 31 <sup>st</sup> Aug	11	Ch 11 : List Manipulation	<b>Lists:</b> <b>1. Definition, Creation of a list, Traversal of a list.</b> <b>2.Operations on a list ,</b> <b>3. functions/methods,</b> <b>4. Lists Slicing; Nested lists;</b>	<b>Program for :</b> <b>a) finding the maximum, minimum, mean of numeric values stored in a list;</b> <b>b) linear search on list of numbers.</b> <b>c) for counting the frequency of elements in a list.</b>	Computer Science by Preeti Arora
02 <sup>nd</sup> Sept – 07 <sup>th</sup> Sept	05	Programming Revision	<ul style="list-style-type: none"> <li>• Flow of Control</li> <li>• String operations</li> <li>• List Functions</li> </ul>		Computer Science by Preeti Arora

09 <sup>th</sup> Sept – 20 <sup>th</sup> Sept	10	<b>REVISION FOR MID TERM EXAM &amp; PRACTICAL EXAM</b>			
23 <sup>rd</sup> SEPT – 7 <sup>th</sup> Oct	<b>MID TERM EXAM</b>				
08 <sup>th</sup> Oct – 19 <sup>th</sup> Oct	06	Ch 12 : Tuple	<b>Tuples:</b> Definition, Creation of a Tuple, Traversal of a tuple. <b>2.Operations on a tuple ,</b> functions/methods , Nested tuple; Tuple slicing;	counting the frequency of elements in a tuple.	Computer science by Preeti Arora
21 <sup>st</sup> Oct – 08 <sup>th</sup> Nov	11	Ch 12 : Dictionaries	<b>Dictionary:</b> Definition, Creation, Accessing elements of a dictionary, add an item, modify an item in a dictionary, Traversal, <b>3.functions/methods</b>	<b>Programs :</b> count the number of times a character appears in a given string using a dictionary create a dictionary with names of employees, their salary and access them.	Computer Science by Preeti Arora
11 <sup>th</sup> Nov –30 <sup>th</sup> Nov	16	Ch 14 : Sorting Techniques	<b>Sorting :</b> Bubble sort and Insertion sort along with best, average and worst case for sorting elements stored in a list	<b>Programs :</b> Bubble sort technique Insertion sort	<a href="https://youtu.be/6S2wxupK0m0">https://youtu.be/6S2wxupK0m0</a>
02 <sup>nd</sup> Dec –21 <sup>st</sup> Dec	16	Ch 2 : Data Representation	<b>Number System:</b> numbers in base 2, 8, 16 and binary addition. <b>Encoding Schemes :</b> ASCII, ISCII and Unicode 2	<b>Chart for Number</b> System. Assignments for <b>Encoding Schemes</b>	<a href="https://youtu.be/O9CXnbkWkpl">https://youtu.be/O9CXnbkWkpl</a>
23 <sup>rd</sup> Dec – 06 <sup>th</sup> Jan '25	10	<b>MOCK YEARLY EXAM</b>			



7 <sup>th</sup> Jan'25 – 18 <sup>th</sup> Jan'25	09	Ch 3 : Boolean Logic	Boolean logic: NOT, AND, OR, NAND, NOR, XOR, NOT, truth tables Logic circuits Boolean laws	PowerPoint presentaion for Boolean Logic Circuits on Smart Panel Board	<a href="https://youtu.be/zfMxkjOtCws">https://youtu.be/zfMxkjOtC ws</a>
20 <sup>th</sup> Jan'25 - 07 <sup>th</sup> Feb'25	16	Ch 15 : Cyber Safety	Cyber safety: safely browsing the web, identity protection, confidentiality, social networks, cyber trolls and bullying	PowerPoint presentation for Cyber safety and security on Smart Panel Board	Computer Science by Preeti Arora
10 <sup>th</sup> Feb'25 -20 <sup>th</sup> Feb'25	10	<b>REVISION FOR ANNUAL EXAM</b>			
<b>LAST WEEK OF FEB' 25</b>		<b>ANNUAL EXAM</b>			

**SUBJECT : PHYSICAL EDUCATION(048)**

Dates/ Week	Worki ng days	SYLLABUS REFERENCE	LEARNING OBJECTIVES	TEACHING ACTIVITIES	LEARNING RESOURCES
		TOPIC	STUDENTS SHOULD BE ABLE TO		
1 <sup>st</sup> April –12 <sup>th</sup> April	10	Ch 1:Management of sports Events	Organising, Staffing, Directing and Controlling		You tube videos on smart Board panel
15 <sup>th</sup> April –30 <sup>th</sup> April	14	Ch 1:Management of sports Events	Various Committees and their Responsibilites		You tube videos on smart Board panel

1 <sup>st</sup> May – 13 <sup>th</sup> May	10	Ch 1:Management of sports Events	Fixture & Its Procedure		You tube videos on smart Board panel
1 <sup>st</sup> July –12 <sup>th</sup> July	11	Ch:2 Children & Women in sports	Common Postural Deformities		You tube videos on smart Board panel
15 <sup>th</sup> July – 31 <sup>st</sup> July	14	Ch:2 Children & Women in sports	Menarche, Menstruation Dysfunction, female Athletics Triad		You tube videos on smart Board panel
1 <sup>st</sup> Aug –14 <sup>th</sup> Aug	11	Ch:3 Yoga & Preventive Measure for lifestyle Discuss	Cure & Prevent Obesity by Asanas		You tube videos on smart Board panel
16 <sup>th</sup> Aug –31 <sup>st</sup> Aug	11	Ch:3 Yoga & Preventive Measure for lifestyle Discuss	Cure & Prevent Diabetes by Asanas		You tube videos on smart Board panel
02 <sup>nd</sup> Sept – 07 <sup>th</sup> Sept	05	Ch:3 Yoga & Preventive Measure for lifestyle Discuss	Cure & Prevent Asthma by Asanas		You tube videos on smart Board panel
09 <sup>th</sup> Sept – 20 <sup>th</sup> Sept	10	<b>REVISION FOR MID TERM EXAM</b>			
23 <sup>rd</sup> SEPT – 7 <sup>th</sup> Oct	<b>MID TERM EXAM</b>				
08 <sup>th</sup> Oct –19 <sup>th</sup> Oct	06	Ch:3 Yoga & Preventive Measure for lifestyle Discuss	Cure & Prevent Hypertension by Asanas		You tube videos on smart Board panel

<b>21<sup>st</sup> Oct – 08<sup>th</sup> Nov</b>	<b>11</b>	<b>Ch:4 Physical Education and Sports For CWSN</b>	<b>Competition For Disables</b>		<b>You tube videos on smart Board panel</b>
<b>11<sup>th</sup> Nov –30<sup>th</sup> Nov</b>	<b>16</b>	<b>Ch:4 Physical Education and Sports For CWSN</b>	<b>Advantages of physical Activites for CWSN</b>		<b>You tube videos on smart Board panel</b>
<b>02<sup>nd</sup> Dec –21<sup>st</sup> Dec</b>	<b>16</b>	<b>Ch:4 Physical Education and Sports For CWSN</b>	<b>Strategies for CWSN</b>		<b>You tube videos on smart Board panel</b>
<b>23<sup>rd</sup> Dec –06<sup>th</sup> Jan '25</b>	<b>10</b>	<b>MOCK YEARLY EXAM</b>			
<b>7<sup>th</sup> Jan'25 –18<sup>th</sup> Jan'25</b>	<b>09</b>	<b>Ch:5 Sports and Nutrition</b>	<b>Concept of Balance Diet Macro &amp; Micro Nutrients</b>		<b>You tube videos on smart Board panel</b>
<b>20<sup>th</sup> Jan'25 - 07<sup>th</sup> Feb'25</b>	<b>16</b>	<b>Ch:5 Sports and Nutrition</b>	<b>Control weight, pitfalls of diet , food in tolrence</b>		<b>You tube videos on smart Board panel</b>
<b>10<sup>th</sup> Feb'25 -20<sup>th</sup> Feb'25</b>	<b>10</b>	<b>REVISION FOR ANNUAL EXAM</b>			
<b>LAST WEEK OF FEB' 25</b>		<b>ANNUAL EXAM</b>			