

**G D GOENKA PUBLIC SCHOOL, JHAJJAR  
SYLLABUS BREAK UP (2023-24)**

**XI  
ENGLISH**

<b>TERM 1</b>	<b>TERM 2</b>
<p><b>LITERATURE</b></p> <p><b>Hornbill</b> L-1 The Portrait of a Lady L-2 We're Not Afraid to Die, if We Can All Be Together L-3 Discovering Tut: The Saga Continues</p> <p><b>Snapshot</b> L-1 The Summer of the Beautiful White Horse L-2 Landscape of the Soul</p> <p><b>POEM</b></p> <ul style="list-style-type: none"> <li>• The Laburnum Top</li> <li>• The Voice of the Rain</li> </ul> <p><b>GRAMMAR</b></p> <ul style="list-style-type: none"> <li>• Determiners</li> <li>• Tenses</li> <li>• Modals</li> <li>• Parts of Speech</li> <li>• Gap Filling</li> <li>• Error Correction, Omission</li> <li>• Transformation of Sentences</li> <li>• Active Voice and Passive Voice</li> <li>• Direct Speech and Indirect Speech</li> <li>• Phrases and Clauses</li> </ul> <p><b>READING SKILLS AND WRITING SKILLS</b></p> <ul style="list-style-type: none"> <li>• Unseen Passage (Literary or Discursive)</li> <li>• Unseen Passage (Case Based)</li> <li>• Formal Invitation</li> <li>• Note Making</li> <li>• Writing a Debate Based on Visual/ Verbal Inputs in 120-150 Words. The Theme Should be Contemporary Topical Issues.</li> <li>• Notice Writing</li> <li>• Classified Advertisement</li> <li>• Poster Making on Contemporary/ Topical Issue</li> <li>• Speech on a Contemporary/Topical Issue</li> <li>• Business Letters (Complain/ Order Placement or Replacement), Official Letters</li> </ul>	<p><b>LITERATURE</b></p> <p><b>Hornbill</b> L-1 The Portrait of a Lady L-2 We're Not Afraid to Die, if We Can All Be Together L-3 Discovering Tut: The Saga Continues L-4 The Adventure L-5 Silk Road</p> <p><b>Snapshot</b> L-1 The Summer of the Beautiful White Horse L-2 Landscape of the Soul L-3 Mother's Day L-4 Birth L-5 The Tale of Melon City</p> <p><b>POEM</b></p> <ul style="list-style-type: none"> <li>• The Laburnum Top</li> <li>• The Voice of the Rain</li> <li>• Childhood</li> <li>• Father to Son</li> </ul> <p><b>GRAMMAR</b></p> <ul style="list-style-type: none"> <li>• Determiners</li> <li>• Tenses</li> <li>• Modals</li> <li>• Parts of Speech</li> <li>• Gap Filling</li> <li>• Error Correction, Omission</li> <li>• Transformation of Sentences</li> <li>• Active Voice and Passive Voice</li> <li>• Direct Speech and Indirect Speech</li> <li>• Phrases and Clauses</li> </ul> <p><b>READING SKILLS AND WRITING SKILLS</b></p> <ul style="list-style-type: none"> <li>• Unseen Passage (Literary or Discursive)</li> <li>• Unseen Passage (Case Based)</li> <li>• Formal Invitation.</li> <li>• Note Making</li> <li>• Writing a Debate Based on Visual/ Verbal Inputs in 120-150 Words. The Theme Should be Contemporary Topical Issues.</li> <li>• Notice Writing</li> <li>• Classified Advertisement</li> </ul>

**PRACTICAL**

- **ASL** (Unknown audio clip will be played. Questions related to the same will be asked to assess the listening skills. Random topics will be given to assess the speaking skills).

- Poster Making on Contemporary/ Topical Issue
- Speech on a Contemporary/Topical Issue
- Business Letters (Complain/ Order Placement or Replacement), Official Letters

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PERIODIC TEST 1	TERM 1 EXAMINATION	PERIODIC TEST 2	TERM 2 EXAMINATION
<b>LITERATURE</b> <b>Hornbill</b> L-1 The Portrait of a Lady L-2 We're Not Afraid to Die, if We Can All Be Together  <b>Snapshot</b> L-1 The Summer of the Beautiful White Horse  <b>POEM</b> <ul style="list-style-type: none"> <li>• A Photograph</li> <li>• The Laburnum Top</li> </ul> <b>GRAMMAR</b> <ul style="list-style-type: none"> <li>• Determiners</li> <li>• Tenses</li> <li>• Modals</li> <li>• Parts of Speech</li> <li>• Gap Filling</li> <li>• Error Correction, Omission</li> <li>• Transformation of Sentences</li> <li>• Active Voice and Passive Voice</li> <li>• Direct Speech and Indirect Speech</li> <li>• Phrases and Clauses</li> </ul> <b>READING SKILLS AND WRITING SKILLS</b> <ul style="list-style-type: none"> <li>• Unseen Passage (Literary or Discursive)</li> <li>• Note Making</li> <li>• Notice Writing</li> <li>• Classified Advertisement</li> <li>• Formal Invitation</li> </ul>	<b>LITERATURE</b> <b>Hornbill</b> L-1 The Portrait of a Lady L-2 We're Not Afraid to Die, if We Can All Be Together L-3 Discovering Tut: The Saga Continues  <b>Snapshot</b> L-1 The Summer of the Beautiful White Horse L-2 Landscape of the Soul  <b>POEM</b> <ul style="list-style-type: none"> <li>• The Laburnum Top</li> <li>• The Voice of the Rain</li> </ul> <b>GRAMMAR</b> <ul style="list-style-type: none"> <li>• Determiners</li> <li>• Tenses</li> <li>• Modals</li> <li>• Parts of Speech</li> <li>• Gap Filling</li> <li>• Error Correction, Omission</li> <li>• Transformation of Sentences</li> <li>• Active Voice and Passive Voice</li> <li>• Direct Speech and Indirect Speech</li> <li>• Phrases and Clauses</li> </ul> <b>READING SKILLS AND WRITING SKILLS</b> <ul style="list-style-type: none"> <li>• Unseen Passage (Literary or Discursive)</li> <li>• Unseen Passage (Case Based)</li> <li>• Note Making.</li> <li>• Formal Invitation</li> </ul>	<b>LITERATURE</b> <b>Hornbill</b> L-3 Discovering Tut: The Saga Continues L-5 Silk Road  <b>Snapshot</b> L-4 Birth L-5 The Tale of Melon City  <b>POEM</b> <ul style="list-style-type: none"> <li>• Father to Son</li> </ul> <b>GRAMMAR</b> <ul style="list-style-type: none"> <li>• Determiners</li> <li>• Tenses</li> <li>• Modals</li> <li>• Parts of Speech</li> <li>• Gap Filling</li> <li>• Error correction, Omission</li> <li>• Transformation of Sentences</li> <li>• Active Voice and Passive Voice</li> <li>• Direct Speech and Indirect Speech</li> <li>• Phrases and Clauses</li> </ul> <b>READING SKILLS AND WRITING SKILLS</b> <ul style="list-style-type: none"> <li>• Unseen Passage (Literary or Discursive)</li> <li>• Unseen Passage (Case Based)</li> <li>• Note Making.</li> <li>• Writing a Debate Based on Visual/ Verbal Inputs in 120-150 Words. The Theme Should be Contemporary Topical Issues.</li> </ul>	<b>LITERATURE</b> <b>Hornbill</b> L-1 The Portrait of a Lady L-2 We're Not Afraid to Die... if We Can All Be Together L-3 Discovering Tut: The Saga Continues L-4 The Adventure L-5 Silk Road  <b>Snapshot</b> L-1 The Summer of the Beautiful White Horse L-2 Landscape of the Soul L-3 Mother's Day L-4 Birth L-5 The Tale of Melon City  <b>POEM</b> <ul style="list-style-type: none"> <li>• The Laburnum Top</li> <li>• The Voice of the Rain</li> <li>• Childhood</li> <li>• Father to Son</li> </ul> <b>Snapshot</b> L-1 The Summer of the Beautiful White Horse L-2 Landscape of the Soul L-3 Mother's Day L-4 Birth L-5 The Tale of Melon City  <b>GRAMMAR</b> <ul style="list-style-type: none"> <li>• Determiners</li> <li>• Tenses</li> <li>• Modals</li> <li>• Parts of Speech</li> <li>• Gap Filling</li> <li>• Error Correction, Omission</li> <li>• Transformation of Sentences</li> <li>• Active Voice and Passive Voice</li> <li>• Direct Speech and Indirect Speech</li> </ul>

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## MATHEMATICS

TERM 1	TERM 2
<p>Ch-1 Sets Ch-2 Relations and Functions Ch-3 Trigonometric Functions Ch-4 Principle of Mathematical Induction Ch-5 Complex Numbers and Quadratic Equations Ch-6 Linear Inequalities Ch-7 Permutations and Combinations Ch-8 Binomial Theorem</p> <p><b>PRACTICAL</b></p> <ul style="list-style-type: none"> <li>• To Find the Number of Subsets of a Given Set and Verify that If a Set Has n Elements Then the Total Numbers of Subsets Is <math>2^n</math>.</li> <li>• To Verify the Relation Between the Degree Measure and The Radian Measure of an Angle.</li> <li>• To Distinguish Between a Relation and a Function.</li> <li>• To Interpret Geometrically the Meaning of <math>I=\sqrt{-1}</math> and its Integral Powers.</li> <li>• To Verify that for Two Sets A And B, <math>N(AXB) = Pq</math> and the Total Number Of Relations From A to B is <math>2pq</math>. Where <math>N(A)=P</math> And <math>N(B)=Q</math>.</li> <li>• To Find the Number of Ways in which Three Cards can be Selected from Given Five Cards.</li> <li>• Brain Quest (Brain Teaser Questions)</li> </ul>	<p>Ch-9 Sequence and Series Ch-10 Straight Lines Ch-11 Conic Section Ch-12 Introduction to Three- Dimensional Geometry Ch-13 Limits and Derivatives Ch-14 Mathematical Reasoning Ch-15 Statistics Ch-16 Probability</p> <p><b>PRACTICAL</b></p> <ul style="list-style-type: none"> <li>• To Demonstrate that the Arithmetic Mean of Two Different Positive Numbers is Always Greater Than the Geometric Mean.</li> <li>• To Construct a Parabola.</li> <li>• To Obtain the Formula for The Sum of Squares of First N-Natural Numbers.</li> <li>• To Write the Sample Space, When a Coin is Tossed Once, Two Times, Three Times, Four Times.</li> <li>• Verification Of the Geometrical Significance of The Derivative.</li> <li>• Brain Quest (Brain Teaser Questions)</li> </ul>

PERIODIC TEST 1	TERM 1 EXAMINATION	PERIODIC TEST 2	TERM 2 EXAMINATION
Ch-1 Sets Ch-3 Trigonometric Functions Ch-5 Complex Numbers and Quadratic Equations	Ch-1 Sets Ch-2 Relations and Functions Ch-3 Trigonometric Functions Ch-4 Principle of Mathematical Induction Ch-5 Complex Numbers and Quadratic Equations Ch-6 Linear Inequalities Ch-7 Permutations and Combinations Ch-8 Binomial Theorem <b>PRACTICAL</b> <ul style="list-style-type: none"> <li>• To Find The Number of Subsets of a Given Set and Verify that If a Set Has n Elements Then the Total Numbers of Subsets Is <math>2^n</math>.</li> <li>• To Verify the Relation Between the Degree Measure and The Radian Measure of an Angle.</li> <li>• To Distinguish Between a Relation and a Function.</li> <li>• To Interpret Geometrically the Meaning of <math>i = \sqrt{-1}</math> and its Integral Powers.</li> <li>• To Verify that for Two Sets A And B, <math>N(A \times B) = Pq</math> and the Total Number Of Relations From A to B is <math>2pq</math>. Where <math>N(A)=P</math> And <math>N(B)=Q</math>.</li> <li>• To Find the Number of Ways in which Three Cards can be Selected from Given Five Cards.</li> <li>• Brain Quest (Brain Teaser Questions)</li> </ul>	Ch-9 Sequence and Series Ch-10 Straight Lines Ch-12 Introduction to Three-Dimensional Geometry	Ch-9 Sequence and Series Ch-10 Straight Lines Ch-11 Conic Section Ch-12 Introduction to Three- Dimensional Geometry Ch-13 Limits and Derivatives Ch-14 Mathematical Reasoning Ch-15 Statistics Ch-16 Probability <b>PRACTICAL</b> <ul style="list-style-type: none"> <li>• To Demonstrate that the Arithmetic Mean of Two Different Positive Numbers is Always Greater Than the Geometric Mean.</li> <li>• To Construct a Parabola.</li> <li>• To Obtain the Formula for The Sum of Squares of First N-Natural Numbers.</li> <li>• To Write The Sample Space, When a Coin is Tossed Once, Two Times, Three Times, Four Times.</li> <li>• Verification Of the Geometrical Significance of The Derivative.</li> <li>• Brain Quest (Brain Teaser Questions)</li> </ul>

PHYSICS	
TERM 1	TERM 2
Ch-1 Physical World and Measurement Ch-2 Units and Measurements Ch-3 Motion in Straight Line Ch-4 Motion in a Plane	Ch-3 Motion in Straight Line Ch-4 Motion in a Plane Ch-5 Laws of Motion Ch-7 System of Particles and Rotational Motion

Ch-5 Laws of Motion  
 Ch-6 Work, Energy and Power  
 Ch-7 System of Particles and Rotational Motion  
 Ch-8 Gravitation

**PRACTICAL**

- To Measure the Diameter Of a Small Spherical / Cylindrical Body Using Vernier Calipers.
- To Measure the Internal Diameter and Depth of a Given Beaker / Calorimeter Using Vernier Calipers and Hence Find Its Volume.
- To Measure Diameter of given Wire Using Screw Gauge.
- To Measure Thickness of a Given Sheet Using Screw Gauge.

Ch-9 Mechanical Properties of Solids  
 Ch-10 Mechanical Properties of Fluids  
 Ch-11 Thermal Properties of Matter  
 Ch-12 Thermodynamics  
 Ch-13 Kinetic Theory  
 Ch-14 Oscillations  
 Ch-15 Waves

**PRACTICAL**

- To Determine the Mass of a Given Object Using a Beam Balance.
- To Find the Weight of a Given Body Using the Parallelogram Law of Vectors.
- Using a Simple Pendulum Plot  $L-T^1$  And  $L-T^2$  Graphs. Hence Find the Effective Length of Second's Pendulum Using Appropriate Length Values.
- To Find the Force Constant of Given Helical Spring By Plotting A Graph Between Load And Extension.

PERIODIC TEST 1	TERM 1 EXAMINATION	PERIODIC TEST 2	TERM 2 EXAMINATION
Ch-1 Physical World and Measurement Ch-2 Units and Measurements Ch-3 Motion in Straight Line	Ch-1 Physical World and Measurement Ch-2 Units and Measurements Ch-3 Motion in Straight Line Ch-4 Motion in a Plane Ch-5 Laws of Motion Ch-6 Work, Energy and Power Ch-7 System of Particles and Rotational Motion Ch-8 Gravitation <b>PRACTICAL</b> <ul style="list-style-type: none"> <li>• To Measure the Diameter Of a Small Spherical / Cylindrical Body Using Vernier Calipers.</li> <li>• To Measure the Internal Diameter and Depth of a Given Beaker / Calorimeter Using Vernier Calipers and Hence Find Its Volume.</li> <li>• To Measure Diameter of given Wire Using Screw Gauge.</li> <li>• To Measure Thickness of a Given Sheet Using Screw Gauge.</li> </ul>	Ch-9 Mechanical Properties of Solids Ch-10 Mechanical Properties of Fluids Ch-11 Thermal Properties of Matter	Ch-8 Gravitation Ch-9 Mechanical Properties of Solids Ch-10 Mechanical Properties of Fluids Ch-11 Thermal Properties of Matter Ch-12 Thermodynamics Ch-13 Kinetic Theory Ch-14 Oscillations Ch-15 Waves <b>PRACTICAL</b> <ul style="list-style-type: none"> <li>• To Determine the Mass of a Given Object Using a Beam Balance.</li> <li>• To Find the Weight of a Given Body Using the Parallelogram Law of Vectors.</li> <li>• Using a Simple Pendulum Plot <math>L-T^1</math> And <math>L-T^2</math> Graphs. Hence Find the Effective Length of Second's Pendulum Using Appropriate Length Values.</li> <li>• To Find the Force Constant of Given Helical Spring By Plotting A Graph Between Load And Extension.</li> </ul>

## CHEMISTRY

### TERM 1

Ch-1 Some Basic Concepts of Chemistry  
 Ch-2 Structure of Atom  
 Ch-3 Classification of Elements and Periodicity in Properties  
 Ch-4 Chemical Bonding and Molecular Structure

#### PRACTICAL

- Determination Of Melting Point of An Organic Compound.
- Determination Of Boiling Point of An Organic Compound.
- Preparation Of Standard Solution of Oxalic Acid.
- Determination Of Strength of a Given Solution of Sodium Hydroxide by Titrating it Against Standard Solution of Oxalic Acid.
- Preparation Of Standard Solution of Sodium Carbonate.
- Determination Of Strength of a Given Solution of Hydrochloric Acid by Titrating it Against Standard Sodium Carbonate Solution.

### TERM 2

Ch-5 Organic Chemistry  
 Ch-6 Redox Reactions  
 Ch-7 Thermodynamics  
 Ch-8 Equilibrium  
 Ch-9 Hydrocarbons

#### PRACTICAL

- Determination Of One Anion And One Cation In A Given Salt Cations-  $Pb^{2+}$ ,  $Cu^{2+}$ ,  $As^{3+}$ ,  $Al^{3+}$ ,  $Fe^{3+}$ ,  $Mn^{2+}$ ,  $Ni^{2+}$ ,  $Zn^{2+}$ ,  $Co^{2+}$ ,  $Ca^{2+}$ ,  $Sr^{2+}$ ,  $Ba^{2+}$ ,  $Mg^{2+}$ ,  $NH_4^+$   
 Anions  $-(CO_3)^{2-}$ ,  $S^{2-}$ ,  $NO_2^-$ ,  $SO_3^{2-}$ ,  $SO_4^{2-}$ ,  $NO_3^-$ ,  $Cl^-$ ,  $Br^-$ ,  $I^-$ ,  $PO_4^{3-}$ ,  $C_2O_4^{2-}$ ,  $CH_3COO^-$
- Detection of -Nitrogen, Sulphur, Chlorine in Organic Compounds.
- Study The Shift in Equilibrium Between Ferric Ions and Thiocyanate Ions by Increasing/Decreasing the Concentration of Either of the Ions.
- Determination of pH of Some Solutions Obtained from Fruit Juices, Solution of Known and Varied Concentrations of Acids, Bases and Salts Using Ph Paper or Universal Indicator.

PERIODIC TEST 1	TERM 1 EXAMINATION	PERIODIC TEST 2	TERM 2 EXAMINATION
Ch-1 Some Basic Concepts of Chemistry Ch-2 Structure of Atom	Ch-1 Some Basic Concepts of Chemistry Ch-2 Structure of Atom Ch-3 Classification of Elements and Periodicity in Properties Ch-4 Chemical Bonding and Molecular Structure <b>PRACTICAL</b> <ul style="list-style-type: none"> <li>• Determination Of Melting Point of An Organic Compound.</li> <li>• Determination Of Boiling Point of An Organic Compound.</li> <li>• Preparation Of Standard Solution of Oxalic Acid.</li> <li>• Determination Of Strength of a Given Solution of Sodium Hydroxide by Titrating it Against Standard Solution of Oxalic Acid.</li> <li>• Preparation Of Standard Solution of Sodium Carbonate.</li> <li>• Determination Of Strength of a Given Solution of Hydrochloric Acid by Titrating it Against Standard Sodium Carbonate Solution.</li> <li>• Practical (1-5)</li> </ul>	Ch-5 Organic Chemistry Ch-6 Redox Reactions Ch-7 Thermodynamics	Ch-5 Organic chemistry Ch-6 Redox Reactions Ch-7 Thermodynamics Ch-8 Equilibrium Ch-9 Hydrocarbons <b>PRACTICAL</b> <ul style="list-style-type: none"> <li>• Determination Of One Anion And One Cation In A Given Salt Cations- <math>Pb^{2+}</math>, <math>Cu^{2+}</math>, <math>As^{3+}</math>, <math>Al^{3+}</math>, <math>Fe^{3+}</math>, <math>Mn^{2+}</math>, <math>Ni^{2+}</math>, <math>Zn^{2+}</math>, <math>Co^{2+}</math>, <math>Ca^{2+}</math>, <math>Sr^{2+}</math>, <math>Ba^{2+}</math>, <math>Mg^{2+}</math>, <math>NH_4^+</math>                          Anions <math>-(CO_3)^{2-}</math>, <math>S^{2-}</math>, <math>NO_2^-</math>, <math>SO_3^{2-}</math>, <math>SO_4^{2-}</math>, <math>NO_3^-</math>, <math>Cl^-</math>, <math>Br^-</math>, <math>I^-</math>, <math>PO_4^{3-}</math>, <math>C_2O_4^{2-}</math>, <math>CH_3COO^-</math></li> <li>• Detection of -Nitrogen, Sulphur, Chlorine in Organic Compounds.</li> <li>• Study The Shift in Equilibrium Between Ferric Ions and Thiocyanate Ions by Increasing/Decreasing the Concentration of Either of the Ions.</li> <li>• Determination Of pH of Some Solutions Obtained from Fruit Juices, Solution of Known and Varied Concentrations of Acids, Bases and Salts Using Ph Paper or Universal Indicator.</li> </ul>

## BIOLOGY

TERM 1	TERM 2
<p>Ch-1 The Living World                      Ch-2 Biological Classification                      Ch-3 Plant Kingdom                      Ch-4 Animal Kingdom                      Ch-5 Morphology of Flowering Plants                      Ch-6 Anatomy of Flowering Plants                      Ch-7 Structural Organisation in Animals                      Ch-8 Cell-The Unit of Life</p> <p><b>PRACTICAL</b></p> <ul style="list-style-type: none"> <li>• Study Of Common Flowering Plants.</li> <li>• Preparation And Study of T.S. of Dicot Stem and Root.</li> <li>• Study Of Distribution of Stomata on Leaves.</li> <li>• Virtual Specimens and Identifying Features of Amoeba.</li> </ul>	<p>Ch-9 Biomolecules                      Ch-10 Cell Cycle and Cell Division                      Ch-13 Photosynthesis in Higher Plants                      Ch-14 Respiration in Plants                      Ch-15 Plant-Growth and Development                      Ch-17 Breathing and Exchange of Gases                      Ch-18 Body Fluids and Circulation                      Ch-19 Excretory Products and their Elimination                      Ch-20 Locomotion and Movement                      Ch-21 Neural Control and Coordination                      Ch-22 Control Coordination and Integration.</p> <p><b>PRACTICAL</b></p> <ul style="list-style-type: none"> <li>• Mitosis in Onion Root Tip Cells.</li> <li>• Different Types of Inflorescences.</li> <li>• Virtual Specimens/Slides/Models and Identifying Features of Hydra, Ascaris, Leech.</li> <li>• Separation of Plant Pigments Through Paper Chromatography.</li> </ul>

PERIODIC TEST 1	TERM 1 EXAMINATION	PERIODIC TEST 2	TERM 2 EXAMINATION
<p>Ch-1 The Living World                      Ch-2 Biological Classification                      Ch-3 Plant Kingdom                      Ch-4 Animal Kingdom                      Ch-5 Morphology of Flowering Plants</p>	<p>Ch-1 The Living World                      Ch-2 Biological Classification                      Ch-3 Plant Kingdom                      Ch-4 Animal Kingdom                      Ch-5 Morphology of Flowering Plants                      Ch-6 Anatomy of Flowering Plants                      Ch-7 Structural Organisation in Animals                      Ch-8 Cell-The Unit of Life</p> <p><b>PRACTICAL</b></p> <ul style="list-style-type: none"> <li>• Study Of Common Flowering Plants.</li> <li>• Preparation And Study of T.S. of Dicot Stem and Root.</li> <li>• Study Of Distribution of Stomata on Leaves.</li> <li>• Virtual Specimens and Identifying Features of Amoeba.</li> </ul>	<p>Ch-9 Biomolecules                      Ch-10 Cell Cycle and Cell Division</p>	<p>Ch-9 Biomolecules                      Ch-10 Cell Cycle and Cell Division                      Ch-13 Photosynthesis in Higher Plants                      Ch-14 Respiration in Plants                      Ch-15 Plant-Growth and Development                      Ch-17 Breathing and Exchange of Gases                      Ch-18 Body Fluids and Circulation                      Ch-19 Excretory Products and their Elimination                      Ch-20 Locomotion and Movement                      Ch-21 Neural Control and Coordination                      Ch-22 Control Coordination and Integration</p> <p><b>PRACTICAL</b></p> <ul style="list-style-type: none"> <li>• Mitosis in Onion Root Tip Cells.</li> <li>• Different Types of Inflorescences.</li> <li>• Virtual Specimens/Slides/Models and Identifying Features of Hydra, Ascaris, Leech.</li> <li>• Separation of Plant Pigments Through Paper Chromatography.</li> </ul>

## HISTORY

TERM 1	TERM 2
<p><b>SECTION 1</b> <b>EARLY SOCIETIES</b> Timeline-1 6 MYA to 1 BCE Theme-1 From the Beginning of the Time Theme -2 Writing and City life</p> <p><b>SECTION 2</b> <b>EMPIRES</b> Timeline -2 100 BCE TO 1300 CE Theme-3 An Empire Across Three Continents Theme-5 Nomadic Empires</p> <p><b>PRACTICAL</b></p> <ul style="list-style-type: none"> <li>• Mesopotamian Civilization</li> <li>• Roman Empire</li> <li>• Nomadic Empires</li> </ul>	<p><b>SECTION 3</b> <b>CHANGING TRADITIONS</b> Timeline-3 C.1300-1700 Theme -6 The Three Orders Theme-7 Changing Cultural Traditions Theme-8 Confrontation of Cultures</p> <p><b>SECTION 4</b> <b>TOWARDS MODERNISATION</b> Timeline- 4 1700 – 2000 Theme-9 The Industrial Revolution Theme-10 Displacing Indigenous People Theme-11 Paths to Modernisation</p> <p><b>PRACTICAL</b></p> <ul style="list-style-type: none"> <li>• Beginning of Renaissance</li> <li>• The Industrial Revolution</li> <li>• Paths to Modernization</li> <li>• Confrontation of Cultures</li> </ul>

PERIODIC TEST 1	TERM 1 EXAMINATION	PERIODIC TEST 2	TERM 2 EXAMINATION
<p><b>SECTION 1</b> <b>EARLY SOCIETIES</b> Timeline-1 6MYA to 1 BCE Theme-1 From the Beginning of Time Theme-2 Writing and City Life</p> <p><b>SECTION 2</b> <b>EMPIRES</b> Timeline-2 100 BCE to 1300 CE Theme-3 An Empire across Three Continents</p>	<p><b>SECTION 1</b> <b>EARLY SOCIETIES</b> Timeline-1 6MYA TO 1 BCE Theme-1 From the Beginning of Time Theme-2 Writing and City Life</p> <p><b>SECTION 2</b> <b>EMPIRES</b> Timeline-2 100 BCE TO 1300 CE Theme-3 An empire across 3 Continents Theme-5 Nomadic Empires</p> <p><b>PRACTICAL</b></p> <ul style="list-style-type: none"> <li>• Mesopotamian Civilization</li> <li>• Central Islamic Empire</li> <li>• Roman Empire</li> <li>• Nomadic Empires</li> </ul>	<p><b>SECTION 3</b> <b>CHANGING TRADITIONS</b> Timeline-3 C.1300 TO 1700 Theme-6 The Three Orders Theme-7 Changing Cultural Traditions Theme-8 Confrontation of Cultures</p>	<p><b>SECTION 3</b> <b>CHANGING TRADITIONS</b> Timeline-3 C.1300-1700 Theme-6 The Three Orders Theme-7 Changing Cultural Traditions Theme-8 Confrontation of Cultures</p> <p><b>SECTION 4</b> <b>TOWARDS MODERNISATION</b> Timeline-4 1700-2000 Theme-9 The Industrial Revolution Theme -10 Displacing Indigenous People Theme-11 Paths to Modernisation</p> <p><b>PRACTICAL</b></p> <ul style="list-style-type: none"> <li>• Beginning of Renaissance</li> <li>• The Industrial Revolution</li> <li>• Paths to Modernization</li> <li>• Confrontation of Cultures</li> </ul>



## POLITICAL SCIENCE

TERM 1	TERM 2
<p><b>SECTION A</b> <b>POLITICAL THEORY</b> Ch-1 Political Theory- An Introduction Ch-2 Freedom Ch-3 Equality Ch-4 Social Justice Ch-5 Rights</p> <p><b>SECTION B</b> <b>INDIAN CONSTITUTION AT WORK</b> Ch-1 Constitution - Why and How? Ch-2 Rights in the Indian Constitution Ch-3 Election and Representation Ch-4 Executive Ch-5 Legislature</p> <p><b>PRACTICAL</b></p> <ul style="list-style-type: none"><li>• Freedom</li><li>• Equality</li><li>• Executive</li><li>• Legislature</li><li>• Constitution - Why and How?</li></ul>	<p><b>SECTION A</b> <b>POLITICAL THEORY</b> Ch-6 Citizenship Ch-7 Nationalism Ch-8 Secularism Ch-9 Peace Ch-10 Development</p> <p><b>SECTION B</b> <b>INDIAN CONSTITUTION AT WORK</b> Ch-6 Judiciary Ch-7 Federalism Ch-8 Local Governments Ch-9 Constitution as a Living Document Ch-10 The Philosophy of Constitution</p> <p><b>PRACTICAL</b></p> <ul style="list-style-type: none"><li>• Citizenship</li><li>• Nationalism</li><li>• Secularism</li><li>• Judiciary</li><li>• Local Governments</li><li>• Federalism</li></ul>

PERIODIC TEST 1	TERM 1 EXAMINATION	PERIODIC TEST 2	TERM 2 EXAMINATION
<b>SECTION A</b> <b>POLITICAL THEORY</b> Ch-1 Political Theory-An Introduction Ch-2 Freedom <b>SECTION B</b> <b>INDIAN CONSTITUTION AT WORK</b> Ch-1 Constitution-What and How? Ch-2 Rights in the Indian Constitution	<b>SECTION A</b> <b>POLITICAL THEORY</b> Ch-1 Political Theory- An Introduction Ch-2 Freedom Ch-3 Equality Ch-4 Social Justice Ch-5 Rights <b>SECTION B</b> <b>INDIAN CONSTITUTION AT WORK</b> Ch-1 Constitution-Why and How? Ch-2 Rights in Indian Constitution Ch-3 Election and Representation Ch-4 Executive Ch-5 Legislature <b>PRACTICAL</b> <ul style="list-style-type: none"> <li>• Freedom</li> <li>• Equality</li> <li>• Executive</li> <li>• Legislature</li> <li>• Constitution - Why and How?</li> </ul>	<b>SECTION A</b> <b>POLITICAL THEORY</b> Ch-6 Citizenship Ch-7 Nationalism <b>SECTION B</b> <b>INDIAN CONSTITUTION AT WORK</b> Ch-6 Judiciary Ch-7 Federalism	<b>SECTION A</b> <b>POLITICAL THEORY</b> Ch-6 Citizenship Ch-7 Nationalism Ch-8 Secularism Ch-9 Peace Ch-10 Development <b>SECTION B</b> <b>INDIAN CONSTITUTION AT WORK</b> Ch-6 Judiciary Ch-7 Federalism Ch-8 Local Governments Ch-9 Constitution as a Living Document Ch-10 The Philosophy of the Constitution <b>PRACTICAL</b> <ul style="list-style-type: none"> <li>• Citizenship</li> <li>• Nationalism</li> <li>• Secularism</li> <li>• Judiciary</li> <li>• Local Governments</li> <li>• Federalism</li> </ul>

### ECONOMICS

TERM 1	TERM 2
<b>PART-A STATISTIC FOR ECONOMICS</b> Unit-1 Introduction of Statistics in Economics Unit-2 Collection, Organisation and Presentation of Data  <b>PART-B INTRODUCTORY MICROECONOMICS</b> Unit-4 Introduction of Microeconomics Unit-5 Consumer's Equilibrium and Demand  <b>PRACTICAL</b> <ul style="list-style-type: none"> <li>• Consumer Protection Act</li> </ul>	<b>PART-A STATISTIC FOR ECONOMICS</b> Unit-1 Introduction of Statistics in Economics Unit-2 Collection, Organisation and Presentation of Data Unit-3 Statistical tools and Interpretation  <b>PART-B INTRODUCTORY MICROECONOMICS</b> Unit-4 Introduction of Microeconomics Unit 5 Consumer's Equilibrium and Demand Unit-6 Producer's Behavior and Supply Unit-7 Forms of Markets and Price Discrimination Under Perfect Competition with Simple Applications  <b>PRACTICAL</b> <ul style="list-style-type: none"> <li>• Measures of Central Tendency</li> </ul>

PERIODIC TEST 1	TERM 1 EXAMINATION	PERIODIC TEST 2	TERM 2 EXAMINATION
Unit-4 Introduction of Microeconomics Unit-5 Consumer's Equilibrium and Demand	Unit-1 Introduction of Statistics in Economics Unit-2 Collection, Organisation and Presentation of Data Unit-4 Introduction of Microeconomics Unit-5 Consumer's Equilibrium and Demand <b>PRACTICAL</b> <ul style="list-style-type: none"> <li>• Consumer Protection Act</li> </ul>	Unit-3 Statistical Tools and Interpretation Unit-6 Producer's Behavior and Supply	Unit-1 Introduction of Statistics in Economics Unit-2 Collection, Organisation and Presentation of Data Unit-3 Statistical tools and Interpretation Unit-4 Introduction of Microeconomics Unit-5 Consumer's Equilibrium and Demand Unit-6 Producer's Behavior and Supply Unit-7 Forms of Markets and Price Discrimination under Perfect Competition with Simple Applications <b>PRACTICAL</b> <ul style="list-style-type: none"> <li>• Measures of Central Tendency</li> </ul>

### ACCOUNTANCY

TERM 1	TERM 2
Ch-1 Introduction to Accounting Ch-2 Basic Accounting Terms Ch-3 Theory Base of Accounting, Accounting Standard and IFRS. Ch-4 Bases of Accounting Ch-5 Accounting Equation Ch-6 Accounting Procedures - Rules of Debit and Credit Vouchers Ch-7 Journal + Accounting for GST Ch-8 Ledger + Accounting for GST Ch-9 Special Purpose Books I - Cash Book + Accounting for GST  <b>PRACTICAL</b> <ul style="list-style-type: none"> <li>• Case Based Project</li> <li>• Journal</li> <li>• Ledger Posting</li> </ul>	Ch-10 Special Purpose Books II - Other Books + Accounting for GST Ch-11 Bank Reconciliation Statement Ch-12 Trial Balance Ch-13 Depreciation Ch-14 Provisions and Reserves Ch-15 Accounting for Bills of Exchange Rectification of Errors Ch-16 Financial Statements of Sole Proprietorship Ch-17 Adjustments in Preparation of Financial Statements  <b>PRACTICAL</b> <ul style="list-style-type: none"> <li>• Trading Account</li> <li>• Profit &amp; Loss Account</li> <li>• Balance sheet</li> </ul>

PERIODIC TEST 1	TERM 1 EXAMINATION	PERIODIC TEST 2	TERM 2 EXAMINATION
Ch-1 Introduction to Accounting. Ch-2 Basic Accounting Ch-3 Theory of Accounting, Accounting Standard and IFRS. Ch-4 Bases of Accounting Ch-5 Accounting Equation Ch-6 Accounting Procedures – Rules Debit and Credit Vouchers Ch-7 Journal + GST	Ch-1 Introduction to Accounting Ch-2 Basic Accounting Terms Ch-3 Theory Base of Accounting, Accounting Standard and IFRS. Ch-4 Bases of Accounting Ch-5 Accounting Equation Ch-6 Accounting Procedure Ch-7 Journal + GST Ch-8 Ledger + Accounting for GST Ch-9 Special Purpose Books  <b>PRACTICAL</b> <ul style="list-style-type: none"> <li>• Case Based Project</li> <li>• Journal</li> <li>• Ledger Posting</li> </ul>	Ch-13 Depreciation Ch-14 Provisions and Reserves Ch-15 Accounting for Bills Rectification Of Errors Ch-16 Financial Statements Ch-17 Adjustments	Ch-13 Depreciation Ch-14 Provisions and Reserves Ch-15 Accounting for Bills Of Exchange Ch-16 Financial Statements of Sole Proprietorship Ch-17 Adjustments in Preparation Of Financial Statements  <b>PRACTICAL</b> <ul style="list-style-type: none"> <li>• Trading Account</li> <li>• Profit &amp; Loss Account</li> <li>• Balance sheet</li> </ul>

### BUSINESS STUDIES

TERM 1	TERM 2
Ch-1 Nature and Purpose of Business Forms of Business Organization Ch-2 Public, Private and Global Enterprises Ch-3 Business Services Ch-4 Emerging Modes of Business Ch-5 Social responsibility of business and business ethics Ch-Social responsibility of business and business ethics  <b>PRACTICAL</b> <ul style="list-style-type: none"> <li>• International Business</li> <li>• Trade and Commerce</li> <li>• Forms of Organisation</li> </ul>	Ch-6 Sources of Business Finance Ch-7 Small Business Ch-8 Internal Trade Ch-9 International Business Ch-10 International Trade  <b>PRACTICAL</b> <ul style="list-style-type: none"> <li>• Business Finance</li> <li>• Social Responsibilities</li> <li>• Preparation of comprehensive project by taking any company from given sector               <ol style="list-style-type: none"> <li>a) FMCG</li> <li>b) Pharma</li> <li>c) Automobile</li> </ol> </li> </ul>

PERIODIC TEST 1	TERM 1 EXAMINATION	PERIODIC TEST 2	TERM 2 EXAMINATION
Ch-1 Evolution of Business Ch-2 Forms of Business Ch-3 Public, Private and Multinational Company	Ch-1 Nature and Purpose of Business Ch-2 Forms of Business Organization Ch-3 Public, Private and Global Enterprises Ch-4 Business Services Ch-5 Emerging Modes of Business Ch-6 Social Responsibility of Business and Business Ethics <b>PRACTICAL</b> • International Business • Trade and Commerce • Forms of Organisation	Ch-6 Sources of Business Finance Ch-7 Small Business	Ch-6 Sources of Business Finance Ch-7 Small Business Ch-8 Internal Trade Ch-9 International Business <b>PRACTICAL</b> • Business Finance • Social Responsibilities • Preparation of comprehensive project by taking any company from given sector a) FMCG b) Pharma c) Automobile

COMPUTER SCIENCE	
TERM 1	TERM 2
L-1 Computer System Overview L-2 Data Representation L-3 Boolean Logic L-4 Emerging Trends L-5 Introduction to Problem Solving L-6 Getting Started with Python L-7 Python Fundamentals L-8 Data Handling L-9 Flow of Control <b>PRACTICAL</b> • Python- Loop Structure	L-10 String Manipulations L-11 List Manipulations L-12 Tuples L-13 Dictionaries L-15 Cyber Safety L-16 Online Success and Computer Security L-17 Society, Law and Ethics  <b>PRACTICAL</b> • Python- List, String, Tuple, Dictionary

PERIODIC TEST 1	TERM 1 EXAMINATION	PERIODIC TEST 2	TERM 2 EXAMINATION
L-1 Computer System Overview L-2 Data Representation L-3 Boolean Logic	L-4 Emerging Trends L-5 Introduction to Problem Solving L-6 Getting Started with Python L-7 Python Fundamentals L-8 Data Handling L-9 Flow of Control <b>PRACTICAL</b> • Python- Loop Structure	L-10 String Manipulations L-11 List Manipulations L-12 Tuples	L-12 Tuples L-13 Dictionaries L-15 Cyber Safety L-16 Online Access and Computer Security L-17 Society, Law and Ethics <b>PRACTICAL</b> • Python- List, String, Tuple, Dictionary

PHYSICAL EDUCATION	
TERM 1	TERM 2
L-1 Changing Trends & Career in Physical Education L-2 Olympism L-3 Yoga L-4 Physical Education and Sports for CWSN L-5 Physical Fitness, Health and Wellness L-6 Test and Measurement and Evaluation	L-7 Fundamentals of Anatomy, Physiology in Sports L-8 Fundamentals of Kinesiology and Biomechanics in Sports L-9 Psychology and Sports L-10 Training and Doping in Sports

PERIODIC TEST 1	TERM 1 EXAMINATION	PERIODIC TEST 2	TERM 2 EXAMINATION
L-1 Changing Trends & Career in Physical Education L-2 Olympism	L-1 Changing Trends & Career in Physical Education L-2 Olympism L-3 Yoga L-4 Physical Education and Sports for CWSN L-5 Physical Fitness, Health and Wellness L-6 Test and Measurement and Evaluation <b>PRACTICAL</b> <ul style="list-style-type: none"> <li>• SAI KHELO India Fitness Test</li> <li>• Yoga</li> </ul>	L-7 Fundamentals of Anatomy, Physiology in Sports L-8 Fundamentals of Kinesiology and Biomechanics in Sports	L-7 Fundamentals of Anatomy, Physiology in Sports L-8 Fundamentals of Kinesiology and Biomechanics in Sports L-9 Psychology and Sports L-10 Training and Doping in Sports <b>PRACTICAL</b> <ul style="list-style-type: none"> <li>• SAI KHELO India Fitness Test</li> <li>• BROCKPOT Test</li> <li>• Yoga</li> <li>• Sports Proficiency</li> </ul>

PSYCHOLOGY	
TERM 1	TERM 2
L-1 What is Psychology? L-2 Methods of Enquiry in Psychology L-3 The Bases of Human Behaviour L-4 Human Development <b>PRACTICAL</b> <ul style="list-style-type: none"> <li>• Conduct a Survey or use any Method of Enquiry to Collect Data.</li> <li>• Span of Attention</li> <li>• Access Human Behaviour method using Interview Method.</li> </ul>	L-5 Sensory, Attentional and Perceptual Process L-6 Learning L-7 Human Memory L-8 Thinking L-9 Motivation and Emotions <b>PRACTICAL</b> <ul style="list-style-type: none"> <li>• Study the Effect on Transfer on Verbal Learning</li> <li>• Impact of Meaningfulness of Studying Material on Learning</li> <li>• Trial and Error Learning</li> </ul>

PERIODIC TEST 1	TERM 1 EXAMINATION	PERIODIC TEST 2	TERM 2 EXAMINATION
L-1 What is Psychology? L-2 Methods of Enquiry in Psychology	L-1 What is Psychology? L-2 Methods of Enquiry in Psychology L-3 The Bases of Human Behaviour L-4 Human Development <b>PRACTICAL</b> <ul style="list-style-type: none"> <li>• Conduct a Survey or use any Method of Enquiry to Collect Data.</li> <li>• Span of Attention</li> <li>• Access Human Behaviour method using Interview Method.</li> </ul>	L-5 Sensory, Attentional and Perceptual Process L-6 Learning	L-5 Sensory, Attentional and Perceptual Process L-6 Learning L-7 Human Memory L-8 Thinking L-9 Motivation and Emotions <b>PRACTICAL</b> <ul style="list-style-type: none"> <li>• Study the Effect on Transfer on Verbal Learning</li> <li>• Impact of Meaningfulness of Studying Material on Learning</li> <li>• Trial and Error Learning</li> </ul>