

GD GOENKA PUBLIC SCHOOL, JHAJJAR
SYLLABUS BREAKUP (2023-24)

XII

ENGLISH

TERM 1	TERM 2
<p><u>Section A</u> Reading Comprehension 1. Unseen Passage (Literary or Discursive). 2. Unseen Passage (Case Based with Visual Input-Statistical Data, Chart etc.)</p> <p><u>Section B</u> Creative Writing Skills 1. Letter Writing (Formal/Informal, Invitation and Reply, Editorial letter) 2. Notice Writing 3. Article Writing 4. Report Writing</p> <p><u>Section C</u> Literature Flamingo Prose L-1. The Last Lesson L-2. Lost Spring L-3. Deep Water L-4. The Rattrap L-5. Indigo Poetry L-1. My Mother at Sixty-Six L-2. The Elementary School Classroom in Slum Area L-3. Keeping Quiet L-4. A Thing of Beauty Vistas L-1. The Third level L-2. The Tiger King L-3. Journey to the End of the Earth L-4. The Enemy</p> <p>Practical ASL (Unknown audio clip will be played. Questions related to the same will</p>	<p><u>Section A</u> Reading Comprehension 1. Unseen Passage (Literary or Discursive) 2. Unseen Passage (Case Based with Visual Input-Statistical Data, Chart etc..)</p> <p><u>Section B</u> Creative Writing Skills 1. Letter Writing (Formal/Informal, Invitation and Reply, Editorial Letter) 2. Notice Writing 3. Article Writing 4. Report Writing</p> <p><u>Section C</u> Literature Flamingo Prose L-1. The Last Lesson L-2. Lost Spring L-3. Deep Water L-4. The Rattrap L-5. Indigo L-6. Poets and Pancakes L-7. The Interview L-8. Going Places Poetry L-1. My Mother at Sixty-Six L-2. The Elementary School Classroom in Slum Area L-3. Keeping Quiet L-4. A Thing of Beauty L-5. A Roadside Stand L-6. Aunt Jennifer's Tigers Vistas L-1. The Third level L-2. The Tiger King</p>

<p>be asked to assess the listening skills. Random topics will be given to assess the speaking skills.</p>		<p>L-3. Journey to the End of the Earth L-4. The Enemy L-5. On the Face of it L-6. Memories of Childhood • The Cutting of My Long Hair • We Too are Human Beings 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.</p>		
PERIODIC TEST 1	PERIODIC TEST 2	TERM 1 EXAMINATION	PERIODIC TEST 3	TERM 2 EXAMINATION
<p><u>Section A</u> Reading Comprehension 1. Unseen Passage (Literary or Discursive) 2. Unseen Passage (Case Based with Visual Input-Statistical Data, Chart etc..)</p> <p><u>Section B</u> Creative Writing Skills 1. Letter Writing (Formal/Informal, Invitation and Reply, Editorial Letter) 2. Notice Writing</p> <p><u>Section C</u> Literature Flamingo Prose L-1. The Last Lesson</p>	<p><u>Section A</u> Reading Comprehension 1. Unseen Passage (Literary or Discursive) 2. Unseen Passage (Case Based with Visual Input-Statistical Data, Chart etc..)</p> <p><u>Section B</u> 3. Article Writing 4. Report Writing</p> <p><u>Section C</u> Literature Flamingo Prose L-3. Deep Water L-4. The Rattrap</p> <p>Poetry L-3. Keeping Quiet L-4. A Thing of Beauty</p> <p>Vistas L-3. Journey to the End of the Earth L-4. The Enemy</p>	<p><u>Section A</u> Reading Comprehension 1. Unseen Passage (Literary or Discursive). 2. Unseen Passage (Case Based with Visual Input-Statistical Data, Chart etc..)</p> <p><u>Section B</u> Creative Writing Skills 1. Letter Writing (Formal/Informal, Invitation and Reply, Editorial Letter) 2. Notice Writing 3. Article Writing 4. Report Writing</p> <p><u>Section C</u> Literature Flamingo Prose L-6. Poets and Pancakes L-7. The Interview L- 8 Going Places</p> <p>Poetry L-4. A Thing of Beauty L-5. A Roadside Stand</p>	<p><u>Section A</u> Reading Comprehension. 1. Unseen Passage (Literary or Discursive) 2. Unseen Passage (Case Based with Visual Input-Statistical Data, Chart etc..)</p> <p><u>Section B</u> Creative Writing Skills. 1. Letter Writing (Formal/Informal, Invitation and Reply, Editorial Letter) 2. Notice Writing 3. Article Writing 4. Report Writing</p> <p><u>Section C</u> Literature Flamingo Prose L-1. The Last Lesson L-2. Lost Spring L-3. Deep water L-4. The Rattrap L-5. Indigo L-6. Poets and Pancakes</p>	

<p>Poetry L-1. My Mother at Sixty-Six L-2. The Elementary School Classroom in Slum Area</p> <p>Vistas L-1. The Third level L-2. The Tiger King</p>		<p>Prose L-1. The Last Lesson L-2. Lost Spring L-3. Deep water L-4. The Rattrap L-5. Indigo</p> <p>Poetry L-1. My Mother at Sixty-Six L-2. The Elementary School Classroom In Slum Area L-3. Keeping Quiet L-4. A Thing of Beauty</p> <p>Vistas L-1. The Third Level L-2. The Tiger King L-3. Journey to the End of the Earth L-4. The Enemy</p> <p>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.</p>	<p>L-6. Aunt Jennifer’s Tigers</p> <p>Vistas L-4. The Enemy L-5. On the Face of It</p>	<p>L-7. The Interview L-8. Going Places</p> <p>Poetry L-1. My Mother at Sixty-Six L-2. The Elementary School Classroom in Slum Area L-3. Keeping Quiet L-4. A Thing of Beauty L-5. A Roadside Stand L-6. Aunt Jennifer’s Tigers</p> <p>Vistas L-1. The Third Level L-2. The Tiger King L-3. Journey to the End of the Earth L-4. The Enemy L-5. On the Face of It L-6. Memories of Childhood</p> <p>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.</p>
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MATHEMATICS

TERM 1	TERM 2
<p>Ch-1 Relation and Function Ch-2 Inverse Trigonometry Ch-3 Matrix Ch-4 Determinant Ch-5 Continuity and Differentiability Ch-6 Application of Derivatives Ch-13 Linear Programming</p> <p>PRACTICAL</p> <ul style="list-style-type: none"> • To Demonstrate a Function Which Is Not One-One But Is Onto. • To Draw the Graph of $\sin^{-1}x$, Using Graph of $\sin X$ and Demonstrate the Concept of Mirror Reflection (About Line $Y=X$). • To Verify That Amongst All the Rectangles of the Same Perimeter, the Square Has Maximum Area. • To Verify that the Relation R in the Set L of All Lines in a Plane, Defined By $R=\{(L,M): L \perp M\}$ Is Symmetric But Neither Reflexive Nor Transitive. • To Verify Rolle's Theorem 	<p>Ch-7 Integration Ch-8 Application of Integration Ch-9 Differential Equation Ch-10 Vectors Ch-11 3-D Geometry Ch-12 Probability</p> <p>PRACTICAL</p> <ul style="list-style-type: none"> • To Demonstrate the Equation of a Plane in Normal Form. • To Measure the Shortest Distance Between Two Skew Lines and Verify It Analytically. • To explain the Computation of Conditional Probability Of A Given Event A, When Event B Has Already Occurred, Through An Example Of Throwing A Pair Of Dice. • To Verify that Angle in A Semi-Circle Is a right Angle, Using Vector Method. • To Evaluate the Definite Integral $\int \sqrt{1-x^2} dx$ As the Limit Of A Sum And Verify It By Integration

PERIODIC TEST 1	PERIODIC TEST 2	TERM 1 EXAMINATION	PERIODIC TEST 3	TERM 2 EXAMINATION
<p>Ch-3 Matrix Ch-4 Determinant Ch-13 Linear Programming</p>	<p>Ch-1 Relation and Function Ch-2 Inverse Trigonometry Ch- 5 Continuity and Differentiability Ch- 6 Application of Derivatives.</p> <p>PRACTICAL</p> <ul style="list-style-type: none"> • To Demonstrate a Function Which Is Not One-One But Is Onto. • To Draw the Graph of $\sin^{-1}x$, Using Graph of $\sin X$ and Demonstrate the Concept of 	<p>Ch-1 Relation and Function Ch-2 Inverse Trigonometry Ch-3 Matrix Ch-4 Determinant Ch- 5 Continuity and Differentiability Ch-6 Application of Derivatives Ch-13 Linear Programming</p>	<p>Ch-7 Integration Ch- 8 Application of Integration Ch-9 Differential Equation Ch-10 Vectors</p>	<p>Ch-7 Integration Ch- 8 Application of Integration Ch-9 Differential Equation Ch-10 Vectors Ch- 11 3-D Geometry Ch- 12 Probability</p> <p>PRACTICAL</p> <ul style="list-style-type: none"> • To Demonstrate the Equation of a Plane in Normal Form. • To Measure the Shortest Distance Between Two

	<p>Mirror Reflection (About Line $Y=X$).</p> <ul style="list-style-type: none"> To Verify That Amongst All the Rectangles of the Same Perimeter, the Square Has Maximum Area. To Verify that the Relation R in the Set L of All Lines in a Plane, Defined By $R=\{(L,M): L \perp M\}$ Is Symmetric But Neither Reflexive Nor Transitive. To Verify Rolle's Theorem 			<p>Skew Lines and Verify It Analytically.</p> <ul style="list-style-type: none"> To explain the Computation of Conditional Probability of A Given Event A, When Event B Has Already Occurred, Through An Example Of Throwing A Pair of Dice. To Verify that Angle in A Semi-Circle Is a right Angle, Using Vector Method. To Evaluate the Definite Integral $\int \sqrt{1-x^2} dx$ As the Limit of A Sum And Verify It By Integration
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PHYSICS	
TERM 1	TERM 2
<p>Theory</p> <p>Ch- 1 Electric Charges and Fields Ch- 2 Electrostatic Potential and Capacitance Ch- 3 Current Electricity Ch- 4 Moving Charges and Magnetism Ch- 5 Magnetism and Matter Ch- 6 Electromagnetic Induction Ch- 7 Alternating Current Ch- 8 Electromagnetic Waves</p> <p>PRACTICAL</p> <ol style="list-style-type: none"> To determine resistivity of two / three wires by plotting a graph for potential difference versus current. To find resistance of a given wire / standard resistor using meter bridge. 	<p>Theory</p> <p>Ch- 9 Ray Optics and Optical Instruments Ch- 10 Wave Optics Ch- 11 Dual Nature of Radiation and Matter Ch- 12 Atoms Ch- 13 Nuclei Ch- 14 Semiconductor Electronics: Materials, Devices and Simple Circuits</p> <p>PRACTICAL</p> <ol style="list-style-type: none"> To find the value of v for different values of u in case of a concave mirror and to find the focal length. To find the focal length of a convex mirror, using a convex lens. To find the focal length of a convex lens by plotting graphs between u and v or between $1/u$ and $1/v$. To find the focal length of a concave lens, using a convex lens.

3. To verify the laws of combination (series or parallel) of resistances using a meter bridge.
4. To determine resistance of a galvanometer by half-deflection method and to find its figure of merit.
5. To convert the given galvanometer (of known resistance and figure of merit) into a voltmeter of desired range and to verify the same.
6. To convert the given galvanometer (of known resistance and figure of merit) into an ammeter of desired range and to verify the same.

ACTIVITY

1. To measure resistance, voltage (AC/DC), current (AC) and check continuity of a given circuit using multimeter.
2. To assemble a household circuit comprising three bulbs, three (on/off) switches, a fuse and a power source.
3. To assemble the components of a given electrical circuit.
4. To study the variation in potential drop with length of a wire for a steady current.
5. To draw the diagram of a given open circuit comprising at least a battery, resistor/rheostat, key, ammeter and voltmeter. Mark the components that are not connected in proper order and correct the circuit and also the circuit diagram.

5. To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation.
6. To determine refractive index of a glass slab using a travelling microscope.
7. To draw the I-V characteristic curve for a p-n junction diode in forward and reverse bias.

ACTIVITY

1. To identify a diode, an LED, a resistor and a capacitor from a mixed collection of such items.
2. Use of multimeter to see the unidirectional flow of current in case of a diode and an LED and check whether a given electronic component (e.g., diode) is in working order.
3. To observe refraction and lateral deviation of a beam of light incident obliquely on a glass slab.
4. To study the nature and size of the image formed by a,
 - i. convex lens, or
 - ii. concave mirror, on a screen by using a candle and a screen (for different distances of the candle from the lens/mirror).

PERIODIC TEST 1	PERIODIC TEST 2	TERM 1 EXAMINATION	PERIODIC TEST 3	TERM 2 EXAMINATION
Ch- 1 Electric Charges and Fields Ch- 2 Electrostatic Potential and Capacitance	Ch- 3 Current Electricity Ch- 4 Moving Charges and Magnetism	Ch- 1 Electric Charges and Fields Ch- 2 Electrostatic Potential and Capacitance Ch- 3 Current Electricity Ch- 4 Moving Charges and Magnetism Ch- 5 Magnetism and Matter Ch- 6 Electromagnetic Induction Ch- 7 Alternating Current Ch- 8 Electromagnetic Waves PRACTICAL <ul style="list-style-type: none"> • Practical (1-6) • Activity (1-5) 	Ch- 9 Ray Optics and Optical Instruments Ch-10 Wave optics	Ch- 9 Ray Optics and Optical Instruments Ch- 10 Wave optics Ch- 11 Dual Nature of Radiation and Matter Ch- 12 Atoms Ch- 13 Nuclei Ch- 14 Semiconductor Electronics: Materials, Devices and Simple Circuits. PRACTICAL <ul style="list-style-type: none"> • Practical (1-7) • Activity (1-4)

CHEMISTRY

TERM 1

Ch- 1 Solutions
 Ch- 2 Chemical Kinetics
 Ch- 3 Coordination Compounds
 Ch- 4 Haloalkanes and Haloarenes
 Ch- 5 Alcohols, Phenols and Ethers
 Ch- 6 Biomolecules

PRACTICAL

QUALITATIVE ANALYSIS

1. Determination Of One Anion and One Cation in a Given Salt.
2. Detection of -Nitrogen, Sulphur, Chlorine in Organic Compounds.

PREPARATION OF INORGANIC COMPOUNDS

3. Preparation of Double Salt of Ferrous Ammonium Sulphate or Potash.
4. Preparation of Mn^{2+} , Ni^{2+} .

DETERMINATION OF CONCENTRATION/MOLARITY OF $KMnO_4$ SOLUTION BY TITRATING IT AGAINST A STANDARD SOLUTION.

5. Oxalic acid b) Ferrous Ammonium Sulphate

CONTENT BASED EXPERIMENTS

6. Chromatography
 - a) Separation of Pigments from Extracts of Leaves and Flowers by Paper Chromatography and Determination of R_f Values.
 - b) Separation of Constituents Present in An Inorganic Mixture Containing Two cations.
 - c) Characteristic Tests of Carbohydrates, Fats and Proteins in Pure Samples and their Detection in Given Foodstuffs.

TESTS FOR THE FUNCTIONAL GROUPS PRESENT IN ORGANIC COMPOUNDS Unsaturation, Alcoholic, Phenolic.

CHEMICAL KINETICS

7. Effect of Concentration and Temperature on The Rate of Reaction between Sodium Thiosulphate and Hydrochloric Acid.

TERM 2

Ch- 1 Solutions
 Ch- 2 Chemical Kinetics
 Ch- 3 Coordination Compounds
 Ch- 4 Haloalkanes and Haloarenes
 Ch- 5 Alcohol, Phenol and Ethers
 Ch- 6 Biomolecules
 Ch- 7 d and f-block Elements
 Ch- 8 Electrochemistry
 Ch- 9 Aldehydes, Ketones and Carboxylic Acids
 Ch- 10 Amines

PRACTICAL

SURFACE CHEMISTRY

1. Preparation of One Lyophilic and One Lyophobic Sol Lyophilic Sol - Starch, Egg Albumin and Gum.
2. Lyophobic Sol - Aluminium Hydroxide, Ferric Hydroxide, Arsenous Sulfide.
3. Dialysis of Sol-Prepared In (A) Above.
4. Study of The Role of Emulsifying Agents in Stabilizing the Emulsion of Different Oils.

PREPARATION OF ORGANIC COMPOUNDS

5. Preparation of any One of the Following Compounds
 i) Acetanilide ii) Di-benzal acetone iii) *p*-Nitro acetanilide iv) Aniline Yellow or 2-Naphthol Anilinedye.

ELECTROCHEMISTRY

6. Variation of Cell Potential in $Zn/Zn^{2+} || Cu^{2+}/Cu$ with Change in Concentration of Electrolytes ($CuSO_4$ or $ZnSO_4$) at Room Temperature.

THERMOCHEMISTRY

7. Enthalpy of Neutralization of Strong Acid (HCl) and Strong Base (NaOH).

TESTS FOR THE FUNCTIONAL GROUPS PRESENT IN ORGANIC COMPOUNDS

8. Ketonic, Carboxylic and Amino (Primary) Groups.

Qualitative analysis

9. Determination of one anion and one cation in a given salt
 Cations: Pb^{2+} , Cu^{2+} , As^{3+} , Al^{3+} , Fe^{3+} , Mn^{2+} , Zn^{2+} , Ni^{2+} , Ca^{2+} , Sr^{2+} , Ba^{2+} , Mg^{2+} ,

			NH_4^+ . Anions: $(\text{CO}_3)^{2-}$, S^{2-} , $(\text{SO}_3)^{2-}$, $(\text{NO}_2)^-$, $(\text{SO}_4)^{2-}$, Cl^- , Br^- , I^- , $(\text{PO}_4)^{3-}$, $(\text{C}_2\text{O}_4)^{2-}$, CH_3COO^- , NO_3^- .	
PERIODIC TEST 1	PERIODIC TEST 2	TERM 1 EXAMINATION	PERIODIC TEST 3	TERM 2 EXAMINATION
Ch- 1 Solutions Ch- 3 Coordination Compounds	Ch- 4 Haloalkanes and Haloarenes Ch-5 Alcohols, Phenols and Ethers	Ch- 1 Solutions Ch- 2 Chemical Kinetics Ch- 3 Coordination Compounds Ch- 4 Haloalkanes and Haloarenes Ch- 5 Alcohols, Phenols and Ethers Ch- 6 Biomolecules PRACTICAL • Practical (1-7)	Ch- 7 d and f Block Elements Ch- 8 Electrochemistry Ch- 9 Aldehydes, Ketones and Carboxylic Acids	Ch- 1 Solutions Ch- 2 Chemical Kinetics Ch- 3 Coordination Compounds Ch- 4 Haloalkanes and Haloarenes Ch- 5 Alcohol, Phenol and Ethers Ch- 6 Biomolecules Ch- 7 d and f-block Elements Ch- 8 Electrochemistry Ch- 9 Aldehydes, Ketones and Carboxylic Acids Ch- 10 Amines PRACTICAL • Practical (1-9)

BIOLOGY	
TERM 1	TERM 2
THEORY Ch-2 Sexual Reproduction in Flowering Plants Ch-3 Human Reproduction Ch-4 Reproductive Health Ch-5 Principles of Inheritance and Variation Ch-6 Molecular Basis of Inheritance Ch-7 Evolution PRACTICAL 1. Prepare a temporary mount to observe pollen germination. 2. Study the plant population density by quadrat method. 3. Study the plant population frequency by quadrat method. 4. Prepare a temporary mount of onion root tip to study mitosis.	THEORY Ch-8 Human Health and Diseases Ch-10 Microbes in Human Welfare Ch-11 Biotechnology-Principles and Processes Ch-12 Biotechnology and its Applications Ch-13 Organisms and Populations Ch-14 Ecosystem Ch-15 Biodiversity and its Conservation PRACTICAL 1. Spotting (T.S. of blastula through permanent slides) 2. Pedigree charts of any one of the genetic traits such as blood groups, colour blindness. 3. Common disease-causing organisms like Ascaris, Entamoeba,

			Plasmodium. 4. Model specimens showing symbolic association in root nodules.
PERIODIC TEST 1	PERIODIC TEST 2	TERM 1 EXAMINATION	PERIODIC TEST 3
Ch-2 Sexual Reproduction in Flowering Plants Ch-3 Human Reproduction	Ch-4 Reproductive Health Ch-5 Principles of Inheritance and Variation	Ch-2 Sexual Reproduction in Flowering Plants Ch-3 Human Reproduction Ch-4 Reproductive Health Ch-5 Principles of Inheritance and Variation Ch-6 Molecular Basis of Inheritance Ch-7 Evolution PRACTICAL • Practical (1-4)	Ch-8 Human Health and Diseases Ch-10 Microbes in Human Welfare
			TERM 2 EXAMINATION
			Ch-8 Human Health and Diseases Ch-10 Microbes in Human Welfare Ch-11 Biotechnology-Principles and Processes Ch-12 Biotechnology and its Applications Ch-13 Organisms and Populations Ch-14 Ecosystem Ch-15 Biodiversity and its Conservation PRACTICAL • Practical (1-4)

HISTORY	
TERM 1	TERM 2
Themes in Indian History Part-I Theme 1: Bricks, Beads and Bones Theme 2: Kings, Farmers and Towns Theme 3: Kinship, Caste and Class Theme 4: Thinkers, Beliefs and Buildings Themes in Indian History Part-II Theme 5: Through the Eyes of Travellers Theme 6: Bhakti & Sufi Traditions Theme 7: An Imperial Capital: Vijayanagar Theme 8: Peasants, Zamindars and the State PRACTICAL <ul style="list-style-type: none"> • Make a project on any one of the given topics. • Indus Valley Civilization • Mahabharata • Buddhism Art and Architecture • Bhakti Sufi Traditions 	Themes in Indian History Part-I Theme 1: Bricks, Beads and Bones Theme 2: Kings, Farmers and Towns Theme 3: Kinship, Caste and Class Theme 4: Thinkers, Beliefs and Buildings Themes in Indian History Part-II Theme 5: Through the Eyes of Travellers Theme 6: Bhakti & Sufi Traditions Theme 7: An Imperial Capital: Vijayanagar Theme 8: Peasants, Zamindars and the State Themes in Indian History Part-III Theme 10: Colonialism and The Countryside Theme 11: Rebels and the Raj Theme 13: Mahatma Gandhi and the Nationalist Movement Theme 15: Framing the Constitution PRACTICAL <ul style="list-style-type: none"> • The mysteries behind the mound of dead –Mohenjo-Daro

<ul style="list-style-type: none"> • The mysteries behind the mound of dead –Mohenjo-Daro • Mughal Courts and their Chronicles 	<ul style="list-style-type: none"> • Buddha’s Path to Enlightenment • Insight and Reflection of Bernier’s notions of The Mughal Empire • Mahatma Gandhi” – A legendary soul • To reconstruct the History of Vijayanagar through the Archaeology of Hampi • Project File: Student has to prepare Comprehensive Project Report/ Viva Voce.
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PERIODIC TEST 1	PERIODIC TEST 2	TERM 1 EXAMINATION	PERIODIC TEST 3	TERM 2 EXAMINATION
<p>Themes in Indian History Part-I</p> <p>Theme 1: Bricks, Beads and Bones</p> <p>Theme 2: Kings, Farmers and Towns</p> <p>Theme 3: Kinship, Caste and Class</p>	<p>Themes in Indian History Part-I</p> <p>Theme 4: Thinkers, Beliefs and Buildings</p> <p>Themes in Indian History Part-II</p> <p>Theme 5: Through the Eyes of Travellers</p> <p>Theme 6: Bhakti &Sufi Traditions</p>	<p>Themes in Indian History Part-I</p> <p>Theme 1: Bricks, Beads and Bones</p> <p>Theme 2: Kings, Farmers and Towns</p> <p>Theme 3: Kinship, Caste and Class</p> <p>Theme 4: Thinkers, Beliefs and Buildings</p> <p>PRACTICAL</p> <ul style="list-style-type: none"> • Make a project on any one of the given topics. • Indus Valley Civilization • Mahabharata • Buddhism Art and Architecture • Bhakti Sufi Traditions • The mysteries behind the mound of dead –Mohenjo-Daro • Mughal Courts and their Chronicles <p>Themes in Indian History Part-II</p> <p>Theme 5: Through the Eyes of Travellers</p> <p>Theme 6: Bhakti &Sufi Traditions</p>	<p>Themes in Indian History Part-III</p> <p>Theme 10: Colonialism and The Countryside</p> <p>Theme 11: Rebels and the Raj</p> <p>Theme 13: Mahatma Gandhi and the Nationalist Movement</p>	<p>Themes in Indian History Part-I</p> <p>Theme 1: Bricks, Beads and Bones</p> <p>Theme 2: Kings, Farmers and Towns</p> <p>Theme 3: Kinship, Caste and Class</p> <p>Theme 4: Thinkers, Beliefs and Buildings</p> <p>Themes in Indian History Part-II</p> <p>Theme 5: Through the Eyes of Travellers</p> <p>Theme 6: Bhakti &Sufi Traditions</p> <p>Theme 7: An Imperial Capital: Vijayanagar</p> <p>Theme 8: Peasants, Zamindars and the State</p> <p>Themes in Indian History Part-III</p> <p>Theme 10: Colonialism and The Countryside</p> <p>Theme 11: Rebels and the Raj</p> <p>Theme 13: Mahatma Gandhi and the Nationalist Movement</p> <p>Theme 15: Framing the Constitution</p> <p>PRACTICAL</p> <ul style="list-style-type: none"> • The mysteries behind the mound of dead –Mohenjo-Daro • Buddha’s Path to Enlightenment • Insight and Reflection of Bernier’s notions of The Mughal

		Theme 7: An Imperial Capital: Vijayanagar Theme 8: Peasants, Zamindars and the State		Empire <ul style="list-style-type: none"> • Mahatma Gandhi” – A Legendary Soul • To reconstruct the History of Vijayanagar through the Archaeology of Hampi • Project File: Student has to prepare Comprehensive Project Report/ Viva Voce.
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POLITICAL SCIENCE	
TERM 1	TERM 2
<p>Part A: Contemporary World Politics Ch-2 The End of Bipolarity Ch-3 New Centers of Power Ch-4 South Asia and the Contemporary World</p> <p>Part B: Politics in India Since Independence Ch-1 Challenges of Nation-Building Ch-3 Planning and Development Ch-4 India's Foreign Policy (External Relations) Ch-5 Parties and the Party Systems in India</p> <p>Practical</p> <ul style="list-style-type: none"> • Project File: Student has to prepare Comprehensive Project Report/ Viva Voce. • Non–aligned Movement • India's Foreign Policy • Cold War • Parties and the Party Systems in India 	<p>Part A: Contemporary World Politics Ch-2 The End of Bipolarity Ch-3 New Centers of Power Ch-4 South Asia and the Contemporary World Ch-5 United Nations and its Organizations Ch-6 Security in Contemporary World Ch-7 Environment and Natural Resources Ch-8 Globalization</p> <p>Part B: Politics in India Since Independence Ch-1 Challenges of Nation-Building Ch-3 Planning and Development Ch-4 India's Foreign Policy (External Relations) Ch-5 Parties and the Party Systems in India Ch-6 Social and New Social Movements in India Ch-7 Regional Aspirations Ch-8 Indian Politics: Trends and Developments</p> <p>Practical</p> <ul style="list-style-type: none"> • Project File: Student has to prepare Comprehensive Project Report/ Viva Voce. • United Nations and its Organizations • Globalization • Planning and Development • Indian Politics: Trends and Developments

PERIODIC TEST 1	PERIODIC TEST 2	TERM 1 EXAMINATION	PERIODIC TEST 3	TERM 2 EXAMINATION
<p>Part A: Contemporary World Politics Ch-2 The End of Bipolarity</p> <p>Part B: Politics in India Since Independence Ch-1 Challenges of Nation-Building</p>	<p>Part A: Contemporary World Politics Ch-3 New Centres of Power Ch-4 South Asia and the Contemporary World</p> <p>Part B: Politics in India Since Independence Ch-4 India's Foreign Policy (External Relations)</p>	<p>Part A: Contemporary World Politics Ch-2 The End of Bipolarity Ch-3 New Centres of Power Ch-4 South Asia and the Contemporary World</p> <p>Part B: Politics in India Since Independence Ch-1 Challenges of Nation-Building Ch-3 Planning and Development Ch-4 India's Foreign Policy (External Relations) Ch-5 Parties and the Party Systems in India</p> <p>Practical</p> <ul style="list-style-type: none"> • Project File: Student has to prepare Comprehensive Project Report/ Viva Voce. • Non-aligned Movement • India's Foreign Policy • Cold War • Parties and the Party Systems in India 	<p>Part A: Contemporary World Politics Ch-5 United Nations and its Organizations Ch-6 Security in Contemporary World</p> <p>Part B: Politics in India Since Independence Ch-6 Social and New Social Movements in India Ch-7 Regional Aspirations</p>	<p>Part A: Contemporary World Politics Ch-2 The End of Bipolarity Ch-3 New Centres of Power Ch-4 South Asia and the Contemporary World Ch-5 United Nations and its Organizations Ch-6 Security in Contemporary World Ch-7 Environment and Natural Resources Ch-8 Globalization</p> <p>Part B: Politics in India Since Independence Ch-1 Challenges of Nation-Building Ch-3 Planning and Development Ch-4 India's Foreign Policy (External Relations) Ch-5 Parties and the Party Systems in India Ch-6 Social and New Social Movements in India Ch-7 Regional Aspirations Ch-8 Indian Politics: Trends and Developments</p> <p>Practical</p> <ul style="list-style-type: none"> • Project File: Student has to prepare Comprehensive Project Report/ Viva Voce. • United Nations and its Organizations • Globalization • Planning and Development

ECONOMICS

TERM 1

TERM 2

PART A INTRODUCTORY MACRO ECONOMICS

- Unit 1 National Income Accounting
- Unit 2 Money and Banking
- Unit 4 Government Budget and the Economy

PART B INDIAN ECONOMIC DEVELOPMENT

- Unit 6 Development Experience (1947-1990) and economic Reform Since 1991
- Unit 7 Current Challenges facing Indian Economy

PRACTICAL

- National Income
- Demonetization
- GST and its impact
- Government Budget

PART A INTRODUCTORY MACRO ECONOMICS

- Unit 1 National Income Accounting
- Unit 2 Money and Banking
- Unit 3 Determination of Income and Employment
- Unit 4 Government Budget and the Economy
- Unit 5 Balance of Payments

PART B INDIAN ECONOMIC DEVELOPMENT

- Unit 6 Development Experience (1947-1990) and economic Reform Since 1991
- Unit 7 Current Challenges facing Indian Economy
- Unit 8 Development Experience of India- A Comparison with Neighbours

PRACTICAL

- Unemployment
- Poverty
- Balance of Payment
- Project File: Student has to prepare Comprehensive Project Report/ Viva Voce.

PERIODIC TEST 1

PERIODIC TEST 2

TERM 1 EXAMINATION

PERIODIC TEST 3

TERM 2 EXAMINATION

- Unit 2 Money and Banking
- Unit 4 Government Budget and the Economy

- Unit 1 National Income Accounting
- Unit 6 Development Experience (1947-1990) and Economic Reform Since 1991
- Unit 7 Current Challenges facing Indian

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- PRACTICAL**

- Unit 3 Determination of Income and Employment
- Unit 5 Balance of Payments

- PART A INTRODUCTORY MACRO ECONOMICS**
- Unit 1 National Income Accounting
 - Unit 2 Money and Banking
 - Unit 3 Determination of Income and Employment
 - Unit 4 Government Budget and the Economy
 - Unit 5 Balance of Payments
- PART B INDIAN ECONOMIC DEVELOPMENT**
- Unit 6 Development Experience (1947-1990) and economic Reform Since

	Economy	<ul style="list-style-type: none"> • National Income • Demonetization • GST and its impact Government Budget 		<p>1991</p> <p>Unit 7 Current Challenges facing Indian Economy</p> <p>Unit 8 Development Experience of India- A Comparison with Neighbours</p> <p>PRACTICAL</p> <ul style="list-style-type: none"> • Unemployment • Poverty • Balance of Payment • Project File: Student has to prepare Comprehensive Project Report/ Viva Voce.
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ACCOUNTANCY	
TERM 1	TERM 2
<p>Theory</p> <p>Ch-2 Partnership Fundamentals</p> <p>Ch-3 Goodwill Valuation</p> <p>Ch-4 Change in Profit Sharing Ratio</p> <p>Ch-5 Admission of Partner</p> <p>Ch-6 Retirement/Death of Partner</p> <p>Ch-7 Dissolution of Partnership firm</p> <p>Practical</p> <ul style="list-style-type: none"> • Project File (Partnership Firm) • Partnership Fundamental 	<p>Theory</p> <p>Ch-2 Partnership Fundamentals</p> <p>Ch-3 Goodwill Valuation</p> <p>Ch-4 Change in Profit Sharing Ratio</p> <p>Ch-5 Admission of Partner</p> <p>Ch-6 Retirement/Death of Partner</p> <p>Ch-7 Dissolution of Partnership firm</p> <p>Ch-8 Analysis of Financial statement</p> <p>Ch-9 Cash Flow Statement</p> <p>Ch-10 Accounting for Share Capital</p> <p>Ch-11 Accounting for Debentures</p> <p>Practical</p> <ul style="list-style-type: none"> • Project File (Cash Flow Statement/Ratio Analysis) Student has to prepare Comprehensive Project Report/ Viva Voce. • Financial Statement • Ratio Analysis

PERIODIC TEST 1	PERIODIC TEST 2	TERM 1 EXAMINATION	PERIODIC TEST 3	TERM 2 EXAMINATION
Ch-2 Partnership Fundamentals Ch-3 Goodwill Valuation Ch-4 Change in Profit Sharing Ratio	Ch-5 Admission of Partner Ch-6 Retirement/Death of Partner Ch-7 Dissolution of Partnership Firm.	Ch-2 Partnership Fundamentals Ch-3 Goodwill Valuation Ch-4 Change in Profit Sharing Ratio Ch-5 Admission of Partner Ch-6 Retirement/Death of Partner Ch-7 Dissolution of Partnership Firm Practical <ul style="list-style-type: none"> • Project File (Partnership Firm) • Partnership Fundamental 	Ch-8 Analysis of Financial Statement Ch-9 Cash Flow Statement Ch-10 Accounting for Share Capital Ch-11 Accounting for Debentures	Theory Ch-2 Partnership Fundamentals Ch-3 Goodwill Valuation Ch-4 Change in Profit Sharing Ratio Ch-5 Admission of Partner Ch-6 Retirement/Death of Partner Ch-7 Dissolution of Partnership Firm Ch-8 Analysis of Financial Statement Ch-9 Cash Flow Statement Ch-10 Accounting for Share Capital Ch-11 Accounting for Debentures Practical <ul style="list-style-type: none"> • Project File (Cash Flow Statement/Ratio Analysis) Student has to prepare Comprehensive Project Report/ Viva Voce. • Financial Statement Ratio Analysis

BUSINESS STUDIES	
TERM 1	TERM 2
Ch-1 Nature and Significance of Management Ch-2 Principles of Management Ch-3 Business Environment Ch-4 Planning Ch-5 Organizing Practical <ul style="list-style-type: none"> • Project file (POM, Business Environment) • Nature of Management • Planning 	Ch-1 Nature and Significance of Management Ch-2 Principles of Management Ch-3 Business Environment Ch-4 Planning Ch-5 Organizing Ch-6 Staffing Ch-7 Directing Ch-8 Controlling Ch-9 Financial Management Ch-10 Financial Market Ch-11 Marketing Management

			Ch-12 Consumer Protection Practical <ul style="list-style-type: none"> • Project File: Student has to prepare Comprehensive Project Report/ Viva Voce. • Marketing • Business Environment • Financial Market • Consumer Protection 	
PERIODIC TEST 1	PERIODIC TEST 2	TERM 1 EXAMINATION	PERIODIC TEST 3	TERM 2 EXAMINATION
Ch-1 Nature & Significance of Management. Ch-2 Principles of Management	Ch-3 Business Environment Ch-4 Planning Ch-5 Organizing	Ch-1 Nature and Significance of Management Ch-2 Principles of Management Ch-3 Business Environment Ch-4 Planning Ch-5 Organizing Practical <ul style="list-style-type: none"> • Project file (POM, Business Environment) • Nature of Management • Planning 	Ch-6 Staffing Ch-7 Directing Ch-8 Controlling Ch-9 Financial management Ch-10 Financial Market Ch-11 Marketing Management Ch-12 Consumer Protection Act 2019	Ch-1 Nature and Significance of Management Ch-2 Principles of Management Ch-3 Business Environment Ch-4 Planning Ch-5 Organizing Ch-6 Staffing Ch-7 Directing Ch-8 Controlling Ch-9 Financial Management Ch-10 Financial Market Ch-11 Marketing Management Ch-12 Consumer Protection Practical <ul style="list-style-type: none"> • Project File: Student has to prepare Comprehensive Project Report/ Viva Voce. • Marketing • Business Environment • Financial Market • Consumer Protection

COMPUTER SCIENCE

TERM 1			TERM 2	
THEORY Ch-1 Python revision tour Ch-2 Python revision tour-II Ch-3 Working with functions Ch-4 Using Python libraries Ch-5 File Handling Ch-6 Recursion Ch-7 Idea of algorithm efficiency PRACTICAL • Python			THEORY Ch-8 Data structures Ch-9 Data Structure-II Ch-10 Communication and network concepts Ch-11 Relational database Ch-12 Simple queries in SQL Ch-13 Table creation and data manipulation Ch-14 Grouping records, joins in SQL] Ch-15 Interface Python with MySQL PRACTICAL • Python	
PERIODIC TEST 1	PERIODIC TEST 2	TERM 1 EXAMINATION	PERIODIC TEST 3	TERM 2 EXAMINATION
Ch-1 Python revision tour Ch-2 Python revision tour-II	Ch-3 Working with functions Ch-4 Using Python libraries	THEORY Ch-1 Python revision tour Ch-2 Python revision tour-II Ch-3 Working with functions Ch-4 Using Python libraries Ch-5 File Handling Ch-6 Recursion Ch-7 Idea of algorithm efficiency PRACTICAL • Python	Ch-8 Data structures Ch-9 Data Structure-II	THEORY Ch-8 Data structures Ch-9 Data Structure-II Ch-10 Communication and network concepts Ch-11 Relational database Ch-12 Simple queries in SQL Ch-13 Table creation and data manipulation Ch-14 Grouping records, joins in SQL] Ch-15 Interface Python with MySQL PRACTICAL • Python

PHYSICAL EDUCATION				
TERM 1			TERM 2	
Ch-1 Planning in Sports Ch-2 Sports and Nutrition Ch-3 Yoga and Lifestyle Ch-4 Physical Education and Sports for CWSN Ch-5 Children and Women in Sports PRACTICAL <ul style="list-style-type: none"> • Physical Fitness Test • Yoga Practice 			Ch-6 Test and Measurement in Sports Ch-7 Physiology and injuries in sports Ch-8 Biomechanics and sports Ch-9 Psychology and sports Ch-10 Training in sports PRACTICAL <ul style="list-style-type: none"> • Proficiency in Games and Sports • Physical Fitness 	
PERIODIC TEST 1	PERIODIC TEST 2	TERM 1 EXAMINATION	PERIODIC TEST 3	TERM 2 EXAMINATION
Ch-1 Planning in Sports Ch-2 Sports and Nutrition	Ch-3 Yoga and Lifestyle Ch-4 Physical Education and Sports for CWSN Ch-5 Children and Women in Sports	Ch-1 Planning in Sports Ch-2 Sports and Nutrition Ch-3 Yoga and Lifestyle Ch-4 Physical Education and Sports for CWSN Ch-5 Children and Women in Sports PRACTICAL <ul style="list-style-type: none"> • Physical Fitness Test • Yoga Practice 	Ch-6 Test and Measurement in Sports. Ch-7 Physiology and injuries in sports. Ch-8 Biomechanics and sports.	Ch-6 Test and Measurement in Sports Ch-7 Physiology and injuries in sports Ch-8 Biomechanics and sports Ch-9 Psychology and sports Ch-10 Training in sports PRACTICAL <ul style="list-style-type: none"> • Proficiency in Games and Sports • Physical Fitness

PSYCHOLOGY	
TERM 1	TERM 2
Ch-1 Variations in Psychological Attributes. Ch-2 Self and Personality. Ch-3 Meeting Life Challenges. Ch-4 Psychological Disorders.	Ch-1 Variations in Psychological Attributes Ch-2 Self and Personality Ch-3 Meeting Life Challenges Ch-4 Psychological Disorders Ch-5 Therapeutic Approaches Ch-6 Attitude and Social Cognition Ch-7 Social Influence and Group Processes

<p>PRACTICAL</p> <ul style="list-style-type: none"> • Adjustment Inventory for School Students by AKP Sinha and RP Singh • Assessment of Psychological Disorder 	<p>Ch-8 Psychology and Life Ch-9 Developing Psychological Skills</p> <p>PRACTICAL</p> <ul style="list-style-type: none"> • Raven’s Standard Progressive Matrices • Maudley’s Personality Inventory • Self Concept Questionnaire • Sinha’s Comprehensive Anxiety test • Project File: Student has to prepare Comprehensive Project Report/ Viva Voce.
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PERIODIC TEST 1	PERIODIC TEST 2	TERM 1 EXAMINATION	PERIODIC TEST 3	TERM 2 EXAMINATION
<p>Ch-1 Variations in Psychological Attributes Ch-2 Self and Personality</p>	<p>Ch-3 Meeting Life Challenges Ch-4 Psychological Disorders</p>	<p>Ch-1 Variations in Psychological Attributes Ch-2 Self and Personality Ch-3 Meeting Life Challenges Ch-4 Psychological Disorders</p> <p>PRACTICAL</p> <ul style="list-style-type: none"> • Adjustment Inventory for School Students by AKP Sinha and RP Singh • Assessment of Psychological Disorder 	<p>Ch-5 Therapeutic Approaches Ch-6 Attitude and Social Cognition</p>	<p>Ch-1 Variations in Psychological Attributes Ch-2 Self and Personality Ch-3 Meeting Life Challenges Ch-4 Psychological Disorders Ch-5 Therapeutic Approaches Ch-6 Attitude and Social Cognition Ch-7 Social Influence and Group Processes Ch- 8 Psychology and Life Ch- 9 Developing Psychological Skills</p> <p>PRACTICAL</p> <ul style="list-style-type: none"> • Raven’s Standard Progressive Matrices • Maudley’s Personality Inventory • Self Concept Questionnaire • Sinha’s Comprehensive Anxiety test • Project File: Student has to prepare Comprehensive Project Report/Viva Voce.