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

XII

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

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

Poetry	Prose	L-6. Aunt Jennifer's Tigers	L-7. The Interview
L-1. My Mother at	L-1. The Last Lesson		L-8. Going Places
Sixty-Six	L-2. Lost Spring	Vistas	Poetry
L-2. The Elementary	L-3. Deep water	L-4. The Enemy	L-1. My Mother at Sixty-Six
School Classroom	L-4. The Rattrap	L-5. On the Face of It	L-2. The Elementary School
in Slum Area	L-5. Indigo		Classroom in Slum Area
Vistas	Poetry		L-3. Keeping Quiet
L-1. The Third level	L-1. My Mother at		L-4. A Thing of Beauty
L-2. The Tiger King	Sixty-Six		L-5. A Roadside Stand
	L-2. The Elementary		L-6. Aunt Jennifer's Tigers
	School Classroom		Vistas
	In Slum Area		L-1. The Third Level
	L-3. Keeping Quiet		L-2. The Tiger King
	L-4. A Thing of Beauty		L-3. Journey to the End of the Earth
	Vistas		L-4. The Enemy
	L-1. The Third Level		L-5. On the Face of It
	L-2. The Tiger King		L-6. Memories of Childhood
	L-3. Journey to the		Practical
	End of the Earth		ASL (Unknown audio clip will be
	L-4. The Enemy		played. Questions related to
	<b>ASL</b> (Unknown audio		the same will be asked to
	clip will be played.		assess the listening skills.
	Questions related		Random topics will be given to
	to the same will		assess the speaking skills.
	be asked to assess		
	the listening skills.		
	Random topics wil	I	
	be given to assess		
	the speaking skills.		

MATHEMATICS						
	TERM 1			TERM 2		
Ch-1 Relation and Function			Ch-7 Integration			
Ch-2 Inverse Trigonometry			Ch-8 Application	on of IntegrationCh-9Differenti	al Equation	
Ch-3 Matrix			Ch-10 Vectors			
Ch-4 Determinant			Ch-11 3-D Geo	metry		
Ch-5 Continuity and Different	tiability		Ch-12 Probabil	ity		
Ch-6 Application of Derivative	es					
Ch-13 Linear Programming						
PRACTICAL			PRACTICAL			
<ul> <li>To Demonstrate a Function</li> </ul>	n Which Is Not One-One But Is On	to.	To Demonst	rate the Equation of a Plane ir	Normal Form.	
<ul> <li>To Draw the Graph of Sin-</li> </ul>	1x, Using Graph of SinX and Demo	onstrate the	To Measure	the Shortest Distance Betwee	n Two Skew Lines and Verify	
Concept of Mirror Reflecti	on (About Line Y=X).		It Analytical	ly.		
<ul> <li>To Verify That Amongst All</li> </ul>	the Rectangles of the Same Perir	neter, the Square	To explain tl	ne Computation of Conditiona	l Probability Of A Given Event	
Has Maximum Area.			A, When Eve	ent B Has Already Occurred, Th	rough An Example Of	
• To Verify that the Relation	R in the Set L of All Lines in a Plar	ne, Defined By	Throwing A	Pair Of Dice.		
$R=\{(L,M): L \perp M\}$ Is Symme	$R=\{(L,M): L \perp M\}$ Is Symmetric But Neither Reflexive Nor Transitive.		To Verify that	at Angle in A Semi-Circle Is a ri	ght Angle, Using Vector	
• To Verify Rolle's Theorem			Method.			
	• To Evaluate the Definite Integral $\int \sqrt{1-x^2} dx$ As the Lim		dx As the Limit Of A Sum And			
			Verify It By I	ntegration		
PERIODIC TEST 1	PERIODIC TEST 2	TERM 1 EXA	MINATION	PERIODIC TEST 3	TERM 2 EXAMINATION	

PERIODIC TEST 1	PERIODIC TEST 2	TERM 1 EXAMINATION	PERIODIC TEST 3	TERM 2 EXAMINATION
Ch-3 Matrix	Ch-1 Relation and Function	Ch-1 Relation and Function	Ch-7Integration	Ch-7 Integration
Ch-4 Determinant	Ch-2 Inverse Trigonometry	Ch-2 Inverse Trigonometry	Ch- 8 Application of	Ch- 8 Application of
Ch-13 Linear	Ch- 5 Continuity and	Ch-3 Matrix	Integration	Integration
Programming	Differentiability	Ch-4 Determinant	Ch-9 Differential Equation	Ch-9 Differential Equation
	Ch- 6 Application of	Ch- 5 Continuity and	Ch-10 Vectors	Ch-10 Vectors
	Derivatives.	Differentiability		Ch- 11 3-D Geometry
	PRACTICAL	Ch-6 Application of Derivatives		Ch- 12 Probability
	To Demonstrate a Function	Ch-13 Linear Programming		PRACTICAL
	Which Is Not One-One But Is			To Demonstrate the
	Onto.			Equation of a Plane in
	To Draw the Graph of Sin-			Normal Form.
	1x, Using Graph of Sin X and			To Measure the Shortest
	Demonstrate the Concept of			Distance Between Two

Mirror Reflection (About	Skew Lines and Verify It
Line Y=X).	Analytically.
To Verify That Amongst All	To explain the
the Rectangles of the Same	Computation of
Perimeter, the Square Has	Conditional Probability of
Maximum Area.	A Given Event A, When
To Verify that the Relation R	Event B Has Already
in the Set L of All Lines in a	Occurred, Through An
Plane, Defined By R={(L,M):	Example Of Throwing A
L ⊥ M} Is Symmetric But	Pair of Dice.
Neither Reflexive Nor	To Verify that Angle in A
Transitive.	Semi-Circle Is a right
To Verify Rolle's Theorem	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

PHYSICS				
TERM 1	TERM 2			
Theory	Theory			
Ch- 1 Electric Charges and Fields	Ch- 9 Ray Optics and Optical Instruments			
Ch- 2 Electrostatic Potential and Capacitance	Ch- 10 Wave Optics			
Ch- 3 Current Electricity	Ch- 11 Dual Nature of Radiation and Matter			
Ch- 4 Moving Charges and Magnetism	Ch- 12 Atoms			
Ch- 5 Magnetism and Matter	Ch- 13 Nuclei			
Ch- 6 Electromagnetic Induction	Ch- 14 Semiconductor Electronics: Materials, Devices and Simple Circuits			
Ch- 7 Alternating Current	PRACTICAL			
Ch- 8 Electromagnetic Waves	1. To find the value of v for different values of u in case of a concave mirror			
PRACTICAL	and to find the focal length.			
1. To determine resistivity of two / three wires by plotting a graph for	2. To find the focal length of a convex mirror, using a convex lens.			
potential difference versus current.	3. To find the focal length of a convex lens by plotting graphs between u and			
2. To find resistance of a given wire / standard resistor using meter	v or between 1/u and 1/v.			
bridge.	4. 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).

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PERIODIC TEST 2	TERM 1 EXAMINATION	PERIODIC TEST 3	TERM 2 EXAMINATION
Ch- 3 Current Electricity	Ch- 1 Electric Charges and Fields	Ch- 9 Ray Optics and	Ch- 9 Ray Optics and Optical
Ch- 4 Moving Charges	Ch- 2 Electrostatic Potential and	Optical Instruments	Instruments
and Magnetism	Capacitance	Ch-10 Wave optics	Ch- 10 Wave optics
	Ch- 3 Current Electricity		Ch- 11 Dual Nature of Radiation and
	Ch- 4 Moving Charges and		Matter
	Magnetism		Ch- 12 Atoms
	Ch- 5 Magnetism and Matter		Ch- 13 Nuclei
	Ch- 6 Electromagnetic Induction		Ch- 14 Semiconductor Electronics:
	Ch- 7 Alternating Current		Materials, Devices and
	Ch- 8 Electromagnetic Waves		Simple Circuits.
	PRACTICAL		PRACTICAL
	Practical (1-6)		Practical (1-7)
	Activity (1-5)		• Activity (1-4)
	, , ,		, , ,
	PERIODIC TEST 2  Ch- 3 Current Electricity Ch- 4 Moving Charges	PERIODIC TEST 2  Ch- 3 Current Electricity Ch- 4 Moving Charges and Magnetism  Ch- 3 Current Electricity Ch- 4 Moving Charges 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  Practical (1-6)	PERIODIC TEST 2  Ch- 3 Current Electricity Ch- 4 Moving Charges and Magnetism  Ch- 3 Current Electricity Ch- 4 Moving Charges and Magnetism  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  Practical (1-6)

СН	CHEMISTRY			
TERM 1	TERM 2			
Ch- 1 Solutions	Ch- 1 Solutions			
Ch- 2 Chemical Kinetics	Ch- 2 Chemical Kinetics			
Ch- 3 Coordination Compounds	Ch- 3 Coordination Compounds			
Ch- 4 Haloalkanes and Haloarenes	Ch- 4 Haloalkanes and Haloarenes			
Ch- 5 Alcohols, Phenols and Ethers	Ch- 5 Alcohol, Phenol and Ethers			
Ch- 6 Biomolecules	Ch- 6 Biomolecules			
PRACTICAL	Ch- 7 d and f-block Elements			
QUALITATIVE ANALYSIS	Ch- 8 Electrochemistry			
1. Determination Of One Anion and One Cation in a Given Salt.	Ch- 9 Aldehydes, Ketones and Carboxylic Acids			
2. Detection of -Nitrogen, Sulphur, Chlorine in Organic Compounds.	Ch- 10 Amines			
PREPARATION OF INORGANIC COMPOUNDS	PRACTICAL			
3. Preparation of Double Salt of Ferrous Ammonium Sulphate or Potash.	SURFACE CHEMISTRY			
4. Preparation of Mn <sup>2+</sup> , Ni <sup>2+</sup> .	1. Preparation of One Lyophilic and One Lyophobic Sol Lyophilic Sol - Starch, Egg			
DETERMINATION OF CONCENTRATION/MOLARITY OF KMNO4 SOLUTION	Albumin and Gum.			
BY TITRATINGIT AGAINST A STANDARD SOLUTION.	2. Lyophobic Sol - Aluminium Hydroxide, Ferric Hydroxide, Arsenous Sulfide.			
5. Oxalic acid b) Ferrous Ammonium Sulphate	3. Dialysis of Sol-Prepared In (A) Above.			
CONTENT BASED EXPERIMENTS	4. Study of The Role of Emulsifying Agents in Stabilizing the Emulsion of			
6. Chromatography	Different Oils.			
a) Separation of Pigments from Extracts of Leaves and Flowers by Paper	PREPARATION OF ORGANIC COMPOUNDS			
Chromatography and Determination of Rf Values.	5. Preparation of any One of the Following Compounds			
b) Separation of Constituents Present in An Inorganic Mixture Containing	i) Acetanilide ii) Di-benzal acetone iii) <i>p</i> -Nitro acetanilide iv) Aniline			
Two cations.	Yellow or 2-Naphthol Anilinedye.			
c) Characteristic Tests of Carbohydrates, Fats and Proteins in Pure Samples	ELECTROCHEMISTRY			
and their Detection in Given Foodstuffs.	6. Variation of Cell Potential in Zn/Zn <sup>2+</sup>    Cu <sup>2+</sup> /Cu with Change in Concentration			
TESTS FOR THE FUNCTIONAL GROUPS PRESENT IN ORGANIC	of Electrolytes (CuSO <sub>4</sub> or ZnSO <sub>4</sub> ) at Room Temperature.			
COMPOUNDS Unsaturation, Alcoholic, Phenolic.	THERMOCHEMISTRY			
CHEMICAL KINETICS	7. Enthalpy of Neutralization of Strong Acid (HCI) and Strong Base (NaOH).			
7. Effect of Concentration and Temperature on The Rate of Reaction	TESTS FOR THE FUNCTIONAL GROUPS PRESENT IN ORGANIC COMPOUNDS			
between SodiumThiosulphate and Hydrochloric Acid.	8. Ketonic, Carboxylic and Amino (Primary)Groups.			
	Qualitative analysis			
	9. Determination of one anion and one cation in a given salt			
	Cations: Pb <sup>2+</sup> , Cu <sup>2+</sup> As <sup>3+</sup> , Al <sup>3+</sup> , Fe <sup>3+</sup> , Mn <sup>2+</sup> , Zn <sup>2+</sup> , Ni <sup>2+</sup> , Ca <sup>2+</sup> , Sr <sup>2+</sup> , Ba <sup>2+</sup> , Mg <sup>2+</sup> ,			

			NH <sub>4</sub> <sup>+</sup> . Anions: $(CO_3)^{2^-}$ , $S^{2^-}$ , $(SO_3)^{2^-}$ $CH_3COO^-$ , $NO_3^-$ .	, (NO <sub>2</sub> ) <sup>-</sup> , (SO <sub>4</sub> ) <sup>2-</sup> , Cl <sup>-</sup> , Br <sup>-</sup> , l <sup>-</sup> , (PO <sub>4</sub> ) <sup>3-</sup> , (C <sub>2</sub> O <sub>4</sub> ) <sup>2-</sup> ,
PERIODIC TEST 1	PERIODIC TEST 2	TERM 1 EXAMINATION	PERIODIC TEST 3	TERM 2 EXAMINATION
Ch- 1 Solutions	Ch- 4 Haloalkanes and	Ch- 1 Solutions	Ch- 7 d and f Block Elements	Ch- 1 Solutions
Ch- 3 Coordination	Haloarenes	Ch- 2 Chemical	Ch- 8 Electrochemistry	Ch- 2 Chemical Kinetics
Compounds	Ch-5 Alcohols, Phenols	Kinetics	Ch- 9 Aldehydes,	Ch- 3 Coordination Compounds
	and Ethers	Ch- 3 Coordination	Ketones and	Ch- 4 Haloalkanes and Haloarenes
		Compounds	Carboxylic Acids	Ch- 5 Alcohol, Phenol and Ethers
		Ch- 4 Haloalkanes		Ch- 6 Biomolecules
		and		Ch- 7 d and f-block Elements
		Haloarenes		Ch- 8 Electrochemistry
		Ch- 5 Alcohols,		Ch- 9 Aldehydes, Ketones and Carboxylic Acids
		Phenols and		Ch- 10 Amines
		Ethers		PRACTICAL
		Ch- 6 Biomolecules		Practical (1-9)
		PRACTICAL		
		• Practical (1-7)		

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

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

HISTORY				
TERM 1	TERM 2			
Themes in Indian History Part-I	Themes in Indian History Part-I			
Theme 1: Bricks, Beads and Bones	Theme 1: Bricks, Beads and Bones			
Theme 2: Kings, Farmers and Towns	Theme 2: Kings, Farmers and Towns			
Theme 3: Kinship, Caste and Class	Theme 3: Kinship, Caste and Class			
Theme 4: Thinkers, Beliefs and Buildings	Theme 4: Thinkers, Beliefs and Buildings			
Themes in Indian History Part-II	Themes in Indian History Part-II			
Theme 5: Through the Eyes of Travellers	Theme 5: Through the Eyes of Travellers			
Theme 6: Bhakti &Sufi Traditions	Theme 6: Bhakti &Sufi Traditions			
Theme 7: An Imperial Capital: Vijayanagar	Theme 7: An Imperial Capital: Vijayanagar			
Theme 8: Peasants, Zamindars and the State	Theme 8: Peasants, Zamindars and the State			
PRACTICAL	Themes in Indian History Part-III			
<ul> <li>Make a project on any one of the given topics.</li> </ul>	Theme 10: Colonialism and The Countryside			
Indus Valley Civilization	Theme 11: Rebels and the Raj			
Mahabharata	Theme 13: Mahatma Gandhi and the Nationalist Movement			
Buddhism Art and Architecture	Theme 15: Framing the Constitution			
Bhakti Sufi Traditions	PRACTICAL			
	<ul> <li>The mysteries behind the mound of dead –Mohenjo-Daro</li> </ul>			

The mysteries behind the	e mound of dead –Mohen	jo-Daro	Buddh	a's Path to Enlightenment		
Mughal Courts and their Chronicles			Insight and Reflection of Bernier's notions of The Mughal Empire			
• M			<ul> <li>Mahat</li> </ul>	<ul> <li>Mahatma Gandhi" – A legendary soul</li> </ul>		
				<u> </u>	agar through the Archaeology of	
			Hamp	•	5 5	
			<ul> <li>Project</li> </ul>	t File: Student has to prepare (	Comprehensive Project Report/	
			-	Voce.		
PERIODIC TEST 1	PERIODIC TEST 2	TERM 1 EXAMINAT	ION	PERIODIC TEST 3	TERM 2 EXAMINATION	
Themes in Indian History	Themes in Indian	Themes in Indian Histor	y Part-I	Themes in Indian History	Themes in Indian History Part-I	
Part-I	History Part-I	Theme 1: Bricks, Beads a	and	Part-III	Theme 1: Bricks, Beads and Bones	
Theme 1: Bricks, Beads	Theme 4: Thinkers,	Bones		Theme 10: Colonialism	Theme 2: Kings, Farmers and Towns	
and Bones	Beliefs and	Theme 2: Kings, Farmers	s and	and The	Theme 3: Kinship, Caste and Class	
Theme 2: Kings,	Buildings	Towns		Countryside	Theme 4: Thinkers, Beliefs and	
Farmers	Themes in Indian	Theme 3: Kinship, Caste	and	Theme 11: Rebels and the	Buildings	
and Towns	History Part-II	Class		Raj	Themes in Indian History Part-II	
Theme 3: Kinship,	Theme 5: Through the	Theme 4: Thinkers, Belie	efs	Theme 13: Mahatma	Theme 5: Through the Eyes of	
Caste	Eyes of	and Buildings		Gandhi and	Travellers	
and Class	Travellers	PRACTICAL		the Nationalist	Theme 6: Bhakti &Sufi Traditions	
	Theme 6: Bhakti &Sufi	Make a project on any	y one of	Movement	Theme 7: An Imperial Capital:	
	Traditions	the given topics.			Vijayanagar	
		<ul> <li>Indus Valley Civilization</li> </ul>	on		Theme 8: Peasants, Zamindars and	
		<ul> <li>Mahabharata</li> </ul>			the State	
		Buddhism Art and			Themes in Indian History Part-III	
		Architecture			Theme 10: Colonialism and The	
		Bhakti Sufi Traditions			Countryside	
		The mysteries behind	the		Theme 11: Rebels and the Raj	
		mound of dead –Moh			Theme 13: Mahatma Gandhi and	
		Daro	. ,		the Nationalist	
		<ul> <li>Mughal Courts and th</li> </ul>	eir		Movement	
		Chronicles			Theme 15: Framing the Constitution	
		2 2			PRACTICAL	
		Themes in Indian Histor	v Part-II		The mysteries behind the mound	
		Theme 5: Through the E	•		of dead –Mohenjo-Daro	
		of Travellers	,		Buddha's Path to Enlightenment	
		Theme 6: Bhakti &Sufi			Insight and Reflection of	
		Traditions			Bernier's notions of The Mughal	

Theme 7: An Imperial Capital:	Empire
Vijayanagar	<ul> <li>Mahatma Gandhi" – A Legendary</li> </ul>
Theme 8: Peasants, Zamindars	Soul
and the State	<ul> <li>To reconstruct the History of Vijayanagar through the Archaeology of Hampi</li> </ul>
	<ul> <li>Project File: Student has to prepare Comprehensive Project</li> </ul>
	Report/ Viva Voce.

POLITICA	L SCIENCE
TERM 1	TERM 2
Part A: Contemporary World Politics	Part A: Contemporary World Politics
Ch-2 The End of Bipolarity	Ch-2 The End of Bipolarity
Ch-3 New Centers of Power	Ch-3 New Centers of Power
Ch-4 South Asia and the Contemporary World	Ch-4 South Asia and the Contemporary World
Part B: Politics in India Since Independence	Ch-5 United Nations and its Organizations
Ch-1 Challenges of Nation-Building	Ch-6 Security in Contemporary World
Ch-3 Planning and Development	Ch-7 Environment and Natural Resources
Ch-4 India's Foreign Policy (External Relations)	Ch-8 Globalization
Ch-5 Parties and the Party Systems in India	Part B: Politics in India Since Independence
Practical	Ch-1 Challenges of Nation-Building
Project File: Student has to prepare Comprehensive Project Report/ Viva	Ch-3 Planning and Development
Voce.	Ch-4 India's Foreign Policy (External Relations)
Non-aligned Movement	Ch-5 Parties and the Party Systems in India
India's Foreign Policy	Ch-6 Social and New Social Movements in India
Cold War	Ch-7 Regional Aspirations
Parties and the Party Systems in India	Ch-8 Indian Politics: Trends and Developments
, ,	Practical
	• 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
Part A: Contemporary	Part A: Contemporary	Part A: Contemporary World	Part A: Contemporary	Part A: Contemporary World
World Politics	World Politics	Politics	World Politics	Politics
Ch-2 The End of Bipolarity	Ch-3 New Centres of Power	Ch-2 The End of Bipolarity	Ch-5 United Nations and	Ch-2 The End of Bipolarity
Part B: Politics in India	Ch-4 South Asia and the	Ch-3 New Centres of Power	its Organizations	Ch-3 New Centres of Power
Since Independence	Contemporary	Ch-4 South Asia and the	Ch-6 Security in	Ch-4 South Asia and the
Ch-1 Challenges of Nation-	World	Contemporary World	Contemporary	Contemporary World
Building	Part B: Politics in India	Part B: Politics in India Since	World	Ch-5 United Nations and its
	Since Independence	Independence	Part B: Politics in India	Organizations
	Ch-4 India's Foreign Policy	Ch-1 Challenges of Nation-	Since	Ch-6 Security in Contemporary
	(External Relations)	Building	Independence	World
		Ch-3 Planning and	Ch-6 Social and New	Ch-7 Environment and Natural
		Development	Social Movements in	Resources
		Ch-4 India's Foreign Policy	India	Ch-8 Globalization
		(External Relations)	Ch-7 Regional Aspirations	Part B: Politics in India Since
		Ch-5 Parties and the Party		Independence
		Systems in India		Ch-1 Challenges of Nation-
		Practical		Building
		<ul> <li>Project File: Student has to</li> </ul>		Ch-3 Planning and
		prepare Comprehensive		Development
		Project Report/ Viva Voce.		Ch-4 India's Foreign Policy
		Non-aligned Movement		(External Relations)
		India's Foreign Policy		Ch-5 Parties and the Party
		Cold War		Systems in India
		Parties and the Party		Ch-6 Social and New Social
		Systems in India		Movements in India
		,		Ch-7 Regional Aspirations
				Ch-8 Indian Politics: Trends and
				Developments
				Practical
				• Project File: Student has to
				prepare Comprehensive
				Project Report/ Viva Voce.
				<ul> <li>United Nations and its</li> </ul>
				Organizations
				Globalization
				Planning and Development

Indian Politics: Trends and Developments
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		ECONO	MICS		
	TERM 1		TERM 2		
PART A INTRODUCTORY MACRO ECONOMICS			PART A INTRODUCTORY MACRO ECONOMICS		
Unit 1 National Incom	e Accounting		Unit 1 National Income Acc	counting	
Unit 2 Money and Bar	ıking		Unit 2 Money and Banking		
Unit 4 Government Bu	idget and the Economy		Unit 3 Determination of Inc	come and Employment	
PART B INDIAN ECON	OMIC DEVELOPMENT		Unit 4 Government Budget	and the Economy	
Unit 6 Development E	xperience (1947-1990) ar	nd economic Reform	Unit 5 Balance of Payment	S	
Since 1991			PART B INDIAN ECONOMI	C DEVELOPMENT	
Unit 7 Current Challen	iges facing Indian Econom	ny	Unit 6 Development Exper	ience (1947-1990) and economic Reform Since	
PRACTICAL			1991		
<ul> <li>National Income</li> </ul>			Unit 7 Current Challenges	facing Indian Economy	
<ul> <li>Demonetization</li> </ul>			Unit 8 Development Exper	ience of India- A Comparison with Neighbours	
GST and its impact			PRACTICAL		
Government Budge	t		Unemployment		
Ü			Poverty		
			Balance of Payment		
			Project File: Student has	s 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	Unit 1 National	Unit 1 National Income	Unit 3 Determination of	PART A INTRODUCTORY MACRO ECONOMICS	
Banking	Income	Accounting	Income and	Unit 1 National Income Accounting	
Unit 4 Government	Accounting	Unit 2 Money and Banking	Employment	Unit 2 Money and Banking	
Budget and	Unit 6 Development	Unit 4 Government Budget	Unit 5 Balance of	Unit 3 Determination of Income and	
the Economy	Experience	and the Economy	Payments	Employment	
	(1947-1990)	Unit 6 Development		Unit 4 Government Budget and the	
	and Economic	Experience (1947-		Economy	
	Reform Since	1990) and economic		Unit 5 Balance of Payments	
	1991	Reform Since 1991		PART B INDIAN ECONOMIC DEVELOPMENT	
	Unit 7 Current	Unit 7 Current Challenges		Unit 6 Development Experience	
	Challenges	facing Indian Economy		(1947-1990) and economic	
	facing Indian	PRACTICAL		Reform Since	

Econom	y • National Income	1991
	Demonetization	Unit 7 Current Challenges facing
	GST and its impact	Indian Economy
	Government Budget	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.

ACCOUNTANCY			
TERM 1	TERM 2		
Theory	Theory		
Ch-2 Partnership Fundamentals	Ch-2 Partnership Fundamentals		
Ch-3 Goodwill Valuation	Ch-3 Goodwill Valuation		
Ch-4 Change in Profit Sharing Ratio	Ch-4 Change in Profit Sharing Ratio		
Ch-5 Admission of Partner	Ch-5 Admission of Partner		
Ch-6 Retirement/Death of Partner	Ch-6 Retirement/Death of Partner		
Ch-7 Dissolution of Partnership firm	Ch-7 Dissolution of Partnership firm		
	Ch-8 Analysis of Financial statement		
Practical	Ch-9 Cash Flow Statement		
Project File (Partnership Firm)	Ch-10 Accounting for Share Capital		
Partnership Fundamental	Ch-11 Accounting for Debentures		
	Practical		
	<ul> <li>Project File (Cash Flow Statement/Ratio Analysis) Student has to prepare</li> </ul>		
	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	Ch-5 Admission of Partner	Ch-2 Partnership	Ch-8 Analysis of Financial	Theory
Fundamentals	Ch-6 Retirement/Death of	Fundamentals	Statement	Ch-2 Partnership Fundamentals
Ch-3 Goodwill	Partner	Ch-3 Goodwill Valuation	Ch-9 Cash Flow Statement	Ch-3 Goodwill Valuation
Valuation	Ch-7 Dissolution of	Ch-4 Change in Profit	Ch-10 Accounting for	Ch-4 Change in Profit Sharing Ratio
Ch-4 Change in	Partnership Firm.	Sharing Ratio	Share Capital	Ch-5 Admission of Partner
Profit Sharing		Ch-5 Admission of Partner	Ch-11 Accounting for	Ch-6 Retirement/Death of Partner
Ratio		Ch-6 Retirement/Death of	Debentures	Ch-7 Dissolution of Partnership
		Partner		Firm
		Ch-7 Dissolution of		Ch-8 Analysis of Financial
		Partnership Firm		Statement
		Practical		Ch-9 Cash Flow Statement
		<ul> <li>Project File (Partnership</li> </ul>		Ch-10 Accounting for Share Capital
		Firm)		Ch-11 Accounting for Debentures
		Partnership Fundamental		Practical
				<ul> <li>Project File (Cash Flow</li> </ul>
				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-1 Nature and Significance of Management			
Ch-2 Principles of Management	Ch-2 Principles of Management			
Ch-3 Business Environment	Ch-3 Business Environment			
Ch-4 Planning	Ch-4 Planning			
Ch-5 Organizing	Ch-5 Organizing			
Practical	Ch-6 Staffing			
<ul> <li>Project file (POM, Business Environment)</li> </ul>	Ch-7 Directing			
Nature of Management	Ch-8 Controlling			
• Planning	Ch-9 Financial Management			
	Ch-10 Financial Market			
	Ch-11 Marketing Management			

# Ch-12 Consumer Protection

# **Practical**

- 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 &	Ch-3 Business Environment	Ch-1 Nature and Significance	Ch-6 Staffing	Ch-1 Nature and Significance of
Significance	Ch-4 Planning	of Management	Ch-7 Directing	Management
of Management.	Ch-5 Organizing	Ch-2 Principles of Management	Ch-8 Controlling	Ch-2 Principles of Management
Ch-2 Principles of		Ch-3 Business Environment	Ch-9 Financial management	Ch-3 Business Environment
Management		Ch-4 Planning	Ch-10 Financial Market	Ch-4 Planning
		Ch-5 Organizing	Ch-11 Marketing Management	Ch-5 Organizing
		Practical	Ch-12 Consumer Protection	Ch-6 Staffing
		<ul> <li>Project file (POM, Business</li> </ul>	Act 2019	Ch-7 Directing
		Environment)		Ch-8 Controlling
		Nature of Management		Ch-9 Financial Management
		Planning		Ch-10 Financial Market
		_		Ch-11 Marketing Management
				Ch-12 Consumer Protection
				Practical
				<ul> <li>Project File: Student has to</li> </ul>
				prepare Comprehensive
				Project Report/
				Viva Voce.
				Marketing
				Business Environment
				Financial Market
				Consumer Protection

COMPUTER SCIENCE					
	TERM 1		TERM 2		
THEORY		THEORY	THEORY		
Ch-1 Python revision tou	ır	Ch-8 Data s	structures		
Ch-2 Python revision tour-II Ch-9 Data Structure-II					
Ch-3 Working with funct	ions	Ch-10 Com	Ch-10 Communication and network concepts		
Ch-4 Using Python libraries		Ch-11 Rela	Ch-11 Relational database		
Ch-5 File Handling		Ch-12 Simp	Ch-12 Simple queries in SQL		
Ch-6 Recursion		Ch-13 Table	Ch-13 Table creation and data manipulation		
Ch-7 Idea of algorithm efficiency		Ch-14 Grou	Ch-14 Grouping records, joins in SQL]		
		Ch-15 Inter	Ch-15 Interface Python with MySQL		
PRACTICAL					
• Python		PRACTICAL	PRACTICAL		
		• Python	Python		
DEDIODIC TEST 1	DEDICIDIC TEST 2	TERRA 1 EVARAINATION	DEBIODIC TEST 2	TEDRA 2 EVARAINATION	

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

		PHYSICA	L EDUCATION		
TERM 1			TERM 2		
Ch-1 Planning in Sports			Ch-6 Test and Measurement in Sports		
Ch-2 Sports and Nutrition			Ch-7 Physiolo	gy and injuries in sports	
Ch-3 Yoga and Lifestyle			Ch-8 Biomechanics and sports		
Ch-4 Physical Education a	nd Sports for CWSN		Ch-9 Psychology and sports		
Ch-5 Children and Women in Sports			Ch-10 Training in sports		
PRACTICAL			PRACTICAL		
Physical Fitness Test			Proficiency in Games and Sports		
Yoga Practice			Physical Fitness		
PERIODIC TEST 1	PERIODIC TEST 2	TERM 1 EXA	MINATION	PERIODIC TEST 3	TERM 2 EXAMINATION
Ch-1 Planning in Sports	Ch-3 Yoga and Lifestyle	Ch-1 Planning in Sports		Ch-6 Test and Measurement	Ch-6 Test and Measurement in

PERIODIC TEST 1	PERIODIC TEST 2	TERM 1 EXAMINATION	PERIODIC TEST 3	TERM 2 EXAMINATION
Ch-1 Planning in Sports	Ch-3 Yoga and Lifestyle	Ch-1 Planning in Sports	Ch-6 Test and Measurement	Ch-6 Test and Measurement in
Ch-2 Sports and Nutrition	Ch-4 Physical Education and	Ch-2 Sports and Nutrition	in Sports.	Sports
	Sports for CWSN	Ch-3 Yoga and Lifestyle	Ch-7 Physiology and injuries	Ch-7 Physiology and injuries in
	Ch-5 Children and Women in	Ch-4 Physical Education and	in sports.	sports
	Sports	Sports for CWSN	Ch-8 Biomechanics and	Ch-8 Biomechanics and sports
		Ch-5 Children and Women in	sports.	Ch-9 Psychology and sports
		Sports		Ch-10 Training in sports
		PRACTICAL		PRACTICAL
		Physical Fitness Test		Proficiency in Games and
		Yoga Practice		Sports
				Physical Fitness

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

## **PRACTICAL**

- Adjustment Inventory for School Students by AKP Sinha and RP Singh
- Assessment of Psychological Disorder

Ch-8 Psychology and Life

Ch-9 Developing Psychological Skills

### **PRACTICAL**

- 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.

PERIODIC TEST 1	PERIODIC TEST 2	TERM 1 EXAMINATION	PERIODIC TEST 3	TERM 2 EXAMINATION
Ch-1 Variations in Psychological	Ch-3 Meeting Life	Ch-1 Variations in	Ch-5 Therapeutic	Ch-1 Variations in Psychological
Attributes	Challenges	Psychological Attributes	Approaches	Attributes
Ch-2 Self and Personality	Ch-4 Psychological	Ch-2 Self and Personality	Ch-6 Attitude and Social	Ch-2 Self and Personality
	Disorders	Ch-3 Meeting Life Challenges	Cognition	Ch-3 Meeting Life Challenges
		Ch-4 Psychological Disorders		Ch-4 Psychological Disorders
		PRACTICAL		Ch-5 Therapeutic Approaches
		Adjustment Inventory for		Ch-6 Attitude and Social Cognition
		School Students by AKP		Ch-7 Social Influence and Group
		Sinha and RP Singh		Processes
		• Assessment of Psychological		Ch- 8 Psychology and Life
		Disorder		Ch- 9 Developing Psychological Skills
				PRACTICAL
				Raven's Standard Progressive
				Matrices
				<ul> <li>Maudley's Personality Inventory</li> </ul>
				Self Concept Questionnaire
				Sinha's Comprehensive Anxiety
				test
				Project File: Student has to
				prepare Comprehensive Project
				Report/Viva Voce.