

**Delhi Public School Numaligarh**

# **Syllabus Bifurcation**

**Session: 2023-24**

**Class XII: Humanities**

# Delhi Public School, Numaligarh

Class: XII

Scheme of Work: 2023-24

Sub: English

S.N	Month	No. of ID	Flamingo	Writing
1	April 2023	10	The Last Lesson Lost Spring Deep Water My Mother at Sixty Six	
	May2023	25	Keeping Quiet The Rattrap Indigo A Thing of Beauty	Notice Formal and Informal Invitations
2	June-2023	15	Poets and pancakes The Interview A Roadside Stand Aunt Jennifer's Tigers	Letter to the Editor Job Applications
3	July-2023	06	Going Places	
		24	Vistas	
5	Aug-2023	16	The Third Level The Tiger King Journey to the End of the Earth	Article Writing Report Writing
6	Sep-2023	20	The Enemy On the Face of It Memories of Childhood	
7	Oct-2023	23	Revision	
8	Nov-2023	09	Revision	
9	Dec-2023	21	Revision and ASL	
10	Jan-2024	24	Revision and ASL	
11	Feb-2024	19	Practicals and Exam	
12	March-2024	10	Exam	

### Portion for Assessments-2023-24

<b>PT-1</b>	<b>The Last Lesson</b> <b>Lost Spring</b> <b>Deep Water</b> <b>My Mother at Sixty Six</b> <b>Keeping Quiet</b>	<b>Notice</b> <b>Formal and Informal</b> <b>Invitations</b>	<b>Comprehension</b>
<b>Half Yearly Exam</b>	<b>The Rattrap</b> <b>Indigo</b> <b>A Thing of Beauty</b> <b>Poets and pancakes</b> <b>The Interview</b> <b>A Roadside Stand</b> <b>Aunt Jennifer's Tigers</b> <b>Going Places</b> <b>The Third Level</b> <b>The Tiger King</b> <b>Journey to the End of the Earth</b>	<b>Notice</b> <b>Formal and Informal</b> <b>Invitations</b> <b>Letter to the Editor</b> <b>Job Applications</b> <b>Article Writing</b> <b>Report Writing</b>	<b>Comprehension</b>
<b>Pre-Board 1</b>	<b>Full Syllabus</b>		
<b>Pre-Board 2</b>	<b>Full Syllabus</b>		

### Projects/Subject Enrichment Activities

Month	Activity	Objective/s	Details & Evaluation
June 2023	Project	<ul style="list-style-type: none"> <li>• To listen to a podcast and write a report or Debate on the chosen topic</li> </ul>	As per CBSE guidelines
Dec-2023	Assessment of Speaking and Listening	<ul style="list-style-type: none"> <li>• To listen to lectures and talks and to be able to extract relevant and useful information for a specific purpose</li> <li>• To develop the art of formal public speaking</li> </ul>	A Listening Skill test and a Speaking Skill test will be conducted

S.N	Month	No. of ID	Chapters
1	Apr-2023	10	1.The Demographic structure of the Indian society 2.Project work- Topics and planning
2	May	25	3.The Demographic structure of the Indian society 4. Social Institutions continuity and change 5. Patterns of Social Inequality and exclusion
3	June	15	6. Patterns of Social Inequality and exclusion 7. The challenges of cultural diversity
4	July	06	8. The challenges of cultural diversity
5	Aug	24	9. The challenges of cultural diversity 10. Structural Change
6	Sep	16	11. Cultural Change 12. Change and development in rural society
7	Oct	20	13. Change and development in rural society 14. Change and Development in Industrial Society
8	Nov	23	15. Change and development in Industrial society 16. Social Movements
9	Dec	09	17. Social Movements 18. Sample Papers
10	Jan-2024	21	Revision
11	Feb	24	Revision

### Portion for Assessments-2023-24

<b>Qualifying Exam</b>	<ul style="list-style-type: none"> <li>• The Demographic structure of the Indian society</li> <li>• Social Institutions continuity and change</li> </ul>
<b>Pre Boards - I</b>	<ul style="list-style-type: none"> <li>• The Demographic structure of the Indian society</li> <li>• Social Institutions continuity and change</li> <li>• Patterns of Social Inequality and exclusion</li> <li>• The challenges of cultural diversity</li> <li>• Structural Change</li> <li>• Cultural Change</li> <li>• As many covered</li> </ul>
<b>Pre Boards - II</b>	<ul style="list-style-type: none"> <li>• Full Syllabus</li> </ul>

### Project

Duration	Activity	Objective	Details & Evaluation
The Academic year 2023-24	Project for the Academic Year	To analyze a social issue and to prepare a report	<p><b>Project undertaken during the academic year -15 marks</b></p> <p>1. Introduction - 2 Marks            2. Statement of Purpose – 2 Marks            3. Research Question – 2 Marks            4. Methodology – 3 Marks            5. Data Analysis – 4 Marks            6. Conclusion – 2 Marks</p> <p><b>Viva - 5 marks</b></p>

**Class: XII****Scheme of Work: 2023-'24****Sub: Political Science**

<b>S.N</b>	<b>Month</b>	<b>No. of ID</b>	<b>Contemporary World Politics</b>	<b>Politics in India Since Independence</b>
1	April-2023	10	Chapter-1: The End of Bipolarity.	Chapter 1: Challenges of Nation Building.
2	May-2023	25	Chapter-2: Contemporary Centres of Power.	Chapter 2: Era of One-Party Dominance
3	June-2023	15	Chapter-3: Contemporary South Asia.	Chapter 3: Politics of Planned Development
4	July-2023	06	Chapter-4: International Organizations	Chapter 4: India's External Relations
5	August-2023	24	Chapter-5: Security in the Contemporary World.	Chapter 5: Challenges to and Restoration of the Congress system
6	September-2023	16	Chapter-5: Security in the Contemporary World.	Chapter 6: The Crisis of Democratic Order
7	October-2023	20	Chapter-6: Environment and Natural Resources	Chapter 7: Regional Aspirations.
8	November-2023	23	Chapter-7: Globalization.	Chapter 8: Recent Developments in Indian Politics.
9	December-2023	09	Practice Sample Papers	Discussion on Previous Years Question Papers.
10	January-2024	21	Revision	Revision
11	February-2024	24	Revision	Revision
12	March-2024	19	AISSCE -2024	-----

### Portion for Assessments-2023-'24

PT-1/ QE- XII	Chapter-1: The End of Bipolarity.	Chapter-1: The Challenges of Nation Building
Half Yearly Exam	Chapter-1: The End of Bipolarity Chapter-2: Contemporary Centres of Power. Chapter-3: Contemporary South Asia Chapter-4: International Organizations	Chapter 1: The Challenges of Nation Building Chapter 2: Era of One-Party Dominance Chapter 3: Politics of Planned Development Chapter 4: India's External Relations
Pre Board -1	Full Syllabus	Full Syllabus
Pre Board -2	Full Syllabus	Full Syllabus
AISSCE - 2024	Full Syllabus	Full Syllabus

### Projects/Subject Enrichment Activities

Month	Activity	Objective/s	Rubrics for Evaluation
<b>2023 -24</b>	Project Work as per the CBSE Curriculum.	<p>To enable learners to:</p> <ul style="list-style-type: none"> <li>• Probe deeper into personal enquiry, initiate action and reflect on knowledge and skills, views etc. acquired during the course of class XI-XII.</li> <li>• Analyse and evaluate real world scenarios using theoretical constructs and arguments.</li> <li>• Demonstrate the application of critical and creative thinking skills and abilities to produce an independent and extended piece of work.</li> <li>• Follow up aspects in which learners have interest.</li> <li>• Develop the communication skills to argue logically.</li> </ul>	<ol style="list-style-type: none"> <li>1. Introduction/ overview – 2 Marks</li> <li>2. Variety of contents – 3 Marks</li> <li>3. Presentation – 3 Marks</li> <li>4. Conclusion – 1 Mark</li> <li>5. Bibliography – 1 Mark</li> <li>6. Viva- voce – 10 Marks</li> </ol> <p style="text-align: center;"><b>TOTAL – 20 MARKS</b></p>

**Class: XII****Scheme of Work: 2023-2024****Sub: History**

S.N	Month	No. of ID	THEMES IN INDIAN HISTORY
1.	April-2023	10	<b>Themes in Indian History Part-I</b> Theme 1: Bricks, Beads and Bones ( The story of first Cities: Harappan Archaeology)
2.	May-2023	25	<b>Themes in Indian History Part-I</b> Theme 2: Kings, Farmers and Towns- Early States and Economies (c. 600 BCE-600 CE) Theme 3: Kinship, Caste and Class Early Societies (c. 600 BCE-600 CE) Theme 4: Thinkers, Beliefs and Buildings –Cultural Development (c. 600 BCE-600 CE)
3.	June-2023	15	<b>Themes in Indian History Part-II</b> Theme 5: Through the eyes of Travelers- Perceptions of Society (c. 10 <sup>th</sup> – 17 <sup>th</sup> century)
4.	July-2023	06	<b>Themes in Indian History Part-II</b> Theme 5: Through the eyes of Travelers- Perceptions of Society (c. 10 <sup>th</sup> – 17 <sup>th</sup> century) <b>contd.</b>
5.	Aug-2023	24	<b>Themes in Indian History Part-II</b> Theme 6: Bhakti-Sufi Traditions- Changes in Religious Beliefs and Devotional Texts c. 8 <sup>th</sup> -18 <sup>th</sup> century) Theme 7: An Imperial capital: Vijayanagara (c. 14 <sup>th</sup> 16 <sup>th</sup> century) Theme 8 : Peasants, Zamindars and the State- Agrarian Society and the Mughal Empire (c. 16 <sup>th</sup> -17 <sup>th</sup> centuries)
6.	Sep-2023	16	<b>Themes in Indian History Part-III</b> Theme 9: Colonialism and the Countryside- Exploring official Archives Theme 10: Rebels and the Raj- The Revolt of 1857 and its Representations
7.	Oct-2023	20	<b>Themes in Indian History Part-III</b> Theme 11: Mahatma Gandhi and the Nationalist Movement- Civil Disobedience and Beyond
8.	Nov-2023	23	<b>Themes in Indian History Part-III</b> Theme 12: Mahatma Gandhi and the Nationalist Movement- Civil Disobedience and Beyond (contd.) Theme: 13 Framing the Constitution- The Beginning of a New Era
9.	Dec-2023	09	<b>Themes in Indian History Part-III</b> Theme: 13 Framing the Constitution- The Beginning of a New Era( <b>contd.</b> )
10.	Jan-2024	21	<b>CBSE conducted Practical Exam</b>
11.	Feb &		<b>AISSCE</b>

**Portion for Assessments-2023-2023**

Sl.no	EXAM	SYLLABUS
1.	QE	<b>Themes in Indian History Part-I</b> 1. Theme 1: Bricks, Beads and Bones ( The story of first Cities: Harappan Archaeology) 2. Theme 2: Kings, Farmers and Towns- Early States and Economies (c. 600 BCE-600 CE) 3. Theme 3: Kinship, Caste and Class Early Societies (c. 600 BCE-600 CE)
2.	Pre-Board-I	<b>Themes: 1-10</b>
3.	Pre-Board-II	<b>Full Syllabus</b>



## Projects/Subject Enrichment Activities

Month	Activity	Objective/s	Details & Evaluation
<b>June- October 2023</b>	<b>Project work on the given topics by CBSE</b>	Project work will help students: <ul style="list-style-type: none"> <li>• To develop skill to gather data from a variety of sources, investigate diverse viewpoints and arrive at logical deductions.</li> <li>• To develop skill to comprehend, analyze, interpret, evaluate historical evidences and understand the limitation of historical evidence.</li> <li>• To develop 21st century managerial skills of co-ordination, self-direction and timemanagement.</li> <li>• To learn to work on diverse cultures, races, religions and lifestyles.</li> <li>• To learn through constructivism-a theory based on observation and scientific study.</li> <li>• To inculcate a spirit of inquiry and research.</li> <li>• To communicate data in the most appropriate form using a variety of techniques.</li> <li>• To provide greater opportunity for interaction and exploration.</li> <li>• To understand contemporary issues in context to our past.</li> <li>• To develop a global perspective and an international outlook.</li> <li>• To grow into caring, sensitive individuals capable of making informed, intelligent and independent choices.</li> </ul>	All the students will complete a project on topics (prescribed by the CBSE) which will be assigned to them. They will do research, collect materials, compile all their work and make the final draft.  <b>Criteria for Assessment:-</b> <ul style="list-style-type: none"> <li>• Project Synopsis- 2 marks</li> <li>• Timeline/Explanation and Interpretation/Map Work -5 marks</li> <li>• Visual/Overall presentation- 4 marks</li> <li>• Data/Analysis/Statistical Analysis-4 marks</li> <li>• Bibliography- 1 mark</li> <li>• Viva -4 marks</li> </ul>
<b>Nov-2023</b>	Map Work	As prescribed in the CBSE curriculum	
<b>Jan-2024</b>		<b>AISSCE PRACTICAL EXAM</b>	

Sl.no	Month	No of l. Days	<b>Introductory Macroeconomics</b>	<b>Indian Economic Development</b>
01	April	10	Unit1: National Income & Related Aggregates	
02	May	25	Unit 1: National income & Related Aggregates	Unit 6: Development Experience (1947-90) and Economic reforms since 1991.
03	June	15	Unit 2: Money and Banking	Unit 6: Economic reforms since 1991, Demonetization & GST
04	July	6	Unit 3: Problem of Excess demand and Deficient demand	
05	August	24	Unit 3: Problem of Excess demand and Deficient demand	Unit 7: Rural Development, Human Capital Formation, Employment
06	September	16	Unit 4: Government Budget and Economy	Unit 7: sustainable development
07	October	20	Unit 4: Government Budget and Economy	Unit 7: sustainable development
08	November	23	Unit 5: Balance of Payment	Unit 8: Developmental Experience
09	December	9	Revision	Revision
<b>SUBJECT MAGAZINE FOR HALF YEARLY FOR EVALUATION OF 20 MARKS, SUBMISSION:28/7/23 ( Internal assessment)/ presentation</b>				
<b>PROJECT AS PER CBSE GUIDELINES , SUBMISSION ON 28/7/2023 ( CBSE, Project viva), Mock Viva will be conducted / Presentation</b>				
<b>PORTION FOR ASSESSMENT</b>				
09	June	19/6/23 – 23/6/23	PT- 1 (Unit 1: National income & Related Aggregates)	PT -1(Unit 6: Development Experience (1947-90) and Economic reforms since 1991.)
10	October	19/10/23 – 01/11/23	PB-1	PB - 1
11	December	13/12/23 – 12/01/24	PB II = All syllabus	PB II = All syllabus

### CRITERIA FOR PROJECT WORK/ SUBJECT MAGAZINE

Month	Activity	Objective	Details & Evaluation	Submission
April /May	Choose Topic Collection of data/material	<ul style="list-style-type: none"> <li>➤ Probe deeper into theoretical concepts learnt in classes.</li> <li>➤ Demonstrate the learning of economic theory</li> <li>➤ Follow up aspects of economics in which learners have interest.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Relevance of the topic - 3</li> </ul>	
June	Organisation of data/material Presentation of data/material		<ul style="list-style-type: none"> <li>➤ Research work-6</li> </ul>	
August-	Analysing the material/data for conclusion		<ul style="list-style-type: none"> <li>➤ Presentation-3</li> </ul>	Magazine (Class –XI & XII). Both have to submit
October	Draw conclusion		<ul style="list-style-type: none"> <li>➤ Viva-voce-8</li> </ul>	
December	Presentation of the project			
July/ October/November	Project Submission	For Half Yearly- Date mention	For Annual /CBSE	Project (Class – XI & XII). Both have to Submit.

**Class: XII Hum****Scheme of Work: 2023-24****Sub: Geography**

S.N	Month	No. of ID	Fundamentals of Human Geography	India: People and Economy	Practical work
				<b>I TERM</b>	
1	<b>April - 2023</b>	<b>10</b>	Human Geography Nature and Scope (L 1)		Data—Its source and compilation
2	<b>May-2023</b>	25	The World Population (L 2) Human Development (L 4)	Population: Distribution, Density, Growth and Composition (L 1) Human settlement (4)	Data Processing-mean, median mode
3	<b>June-2023</b>	15	Primary Activities (L 5)	Land Resources and Agriculture (L 5) Mineral and Energy Resources (L 7) (Holiday Homework)	Construction of diagrams: Line graphs, Bar graphs ,Pie diagram,
4	<b>July-2023</b>	06		Water Resources (L 6)	
5	<b>Aug-2023</b>	24	Secondary Activities (L 6) Tertiary Activities and Quaternary Activities (L 7)	Planning and Sustainable Development in India (L 9) Transport and communication( L 10)	Construction of diagrams: Wind Rose Star diagram, Flow chart
6	<b>Sep-2023</b>	16	Transport and Communication (L 8)	International Trade (L 11)	Classification on the basis of construction Dot maps, Choropleth Maps, Isopleths Maps
7	<b>Oct-2023</b>	20	International Trade (L 9)	Geographical perspective on selective issues and problems (L 12)	Spatial Information Technology
8	<b>Nov-2023</b>	23	Revision	Revision	
9	<b>Dec-2023</b>	09	Revision &Pre Board 1		
10	<b>Jan-2024</b>	21	Pre Board 2		Board Practical examination
11	<b>Feb-2024</b>	24			
12	<b>March- 2024</b>	19	Board Examination		

**Portion for Assessments-2023-224**

<b>PT-1</b>	<b>Half Yearly Exam</b>	<b>PT-2</b>	
B 1-Lesson-1, 2 B 2- Lesson1	1. Fundamentals of Human Geography: Unit 1,2 2. India: People and Economy:Unit 1,2,3 (Except Minerals)	BOOK 1 Transport and Communication (L 8)	Complete Syllabus

S. No.	Month	No. Of ID	Health and physical education	Practical
1	April 2023 May 2023	10 25	<b>Management of sporting events</b> <ul style="list-style-type: none"> <li>• Functions of sports management events (planning, organizing, staffing directing and controlling)</li> <li>• Various committees and their responsibilities (pre, during and post)</li> <li>• Fixtures and procedures- Knock out (bye and seeding), League (staircase and cyclic)</li> </ul>	
2	June 2023 July 2023	15 06	<b>Children and women in sports</b> <ul style="list-style-type: none"> <li>• Common postural deformities- Knock knee, Bow legs, Flat Foot, Round Shoulders, Lordosis, Kyphosis, Scoliosis and their corrective measures</li> <li>• Special consideration (Menarche and Menstrual dysfunction)</li> <li>• Female athletes triad (Osteoporosis, Amenorrhea, eating disorders)</li> </ul>	PEF Test
3	August 2023	24	<b>Yoga as preventive measures for lifestyle disease</b> <ul style="list-style-type: none"> <li>• Obesity- Procedure, benefits and contraindication for tadasana, katichakrasana, pawanmuktasana, matsyasana, halasana, paschimottanasana, ardh-matsyendrasana, dhanurasana, ushtrasana, suryabhedan pranayam</li> <li>• Diabetes- Procedure, benefits and contraindication for Katichakrasana, pawanmuktasana, bhujangasana, shalabhasana, dhanurasana, sputa-vajrasana, paschimottanasana, ardh-matsyendrasana, mandukasana, gomukhasana, yogmudra, ushtrasana, kapalbhati</li> <li>• Asthama- Procedure, benefits and contraindication for tadasana, urdhawahastottanasana, uttanmandukasana, bhujangasana, dhanurasana, ushtrasana, vakrasana, kapalbhati, gomukhasana, matsyasana, anulom-vilom</li> <li>• Hypertension- Procedure, benefits and contraindication for tadasana, katichakrasana, uttanpadasana, ardh-halasan, sarala matsyasana, gomukhasana, uttanmandukasana, vakrasana, bhujangasana, makrasana, shavasana, nadishoddhan pranayam, sheetli pranayam</li> </ul>	HISTORY OF MAIN GAME
4	August 2023	24	<b>Physical Education and sports for CWSN</b> <ul style="list-style-type: none"> <li>• Organizations promoting disability sports (Special Olympics, Paralympics, Deaflympics)</li> <li>• Advantages of physical activities for children with special needs</li> <li>• Strategies to make physical activities accessible for CWSN</li> </ul>	BASIC SKILLS

5	September 2023	16	<b>Sports and nutrition</b> <ul style="list-style-type: none"> <li>• Concept of balanced diet and nutrition</li> <li>• Macro and micro nutrients- food sources and functions</li> <li>• Nutritive and non nutritive components of diet</li> </ul>	PHYSICAL FITNESS
6	October 2023	20	<b>Test and measurements in sports</b> <ul style="list-style-type: none"> <li>• Fitness test- SAI khelo India fitness test in school:</li> <li>• Age group 5-8 years (Class I to III)- BMI, Flamingo balance test, plate tapping test,</li> <li>• Age group 9-18 years (Class IV to XII)- BMI, 50m speed test, 600m run/walk, sit and reach test, strength test (abdominal partial curl up), push up for boys, modified push up for girls</li> <li>• Computing basal metabolic rate</li> <li>• Rikili and Jones senior citizen fitness test</li> </ul>	BMI OF 10 MEMBERS WITH GRAPHICAL REPRESENTATION
7	October 2023	20	<b>Physical education and sports for cwsn-divyang</b> <ul style="list-style-type: none"> <li>• Physiological factors determining components of physical fitness</li> <li>• Effects of exercise on muscular system</li> <li>• Effect of exercise on cardio-vascular system</li> <li>• Sports injuries: classification (Soft tissue injuries- abrasion, contusion, laceration, incision, sprain and strain, Bone and joint injuries- Dislocation, fractures- greenstick, comminuted, transverse, oblique and impacted)</li> </ul>	
8	November 2023	23	<b>Bio-mechanics and sports</b> <ul style="list-style-type: none"> <li>• Newton's law of motion and its application in sports</li> <li>• Equilibrium- dynamic and static and centre of gravity and its application in sports</li> <li>• Friction and sports</li> <li>• Projectile in sports</li> </ul>	
9	November 2023	23	<b>Psychology and sports</b> <ul style="list-style-type: none"> <li>• Personality; it's definition and types (sheldon and jung classification) &amp; big five theory</li> <li>• Meaning, concept and type of aggression in sports</li> <li>• Psychological attributes in sports- self esteem, mental imagery, self talk, goal setting</li> </ul>	
10	November 2023	25	<b>Training in sports</b> <ul style="list-style-type: none"> <li>• Concept of talent identification and talent development in sports</li> <li>• Introduction of sports training cycle- Micro. Meso and Macro cycle</li> <li>• Strength- definition, types and methods of improving strength- isometric, isotonic and isokinetic</li> <li>• Endurance- definition, types and methods to develop endurance- continuous training method, interval training method and fartlek training method</li> <li>• Speed- definitions, types and methods to develop speed- acceleration run and pace run</li> </ul>	

			<ul style="list-style-type: none"> <li>• Flexibility- definitions, types and methods to develop flexibility</li> <li>• Coordinative ability- definitions and types</li> </ul> <p>Circuit training- introduction and its importance</p>	
11	Dec-2023	9	<b>Revision</b>	

### Portion for Assessments- 2023-24 for Class-XII

Assessment	Chapters	Practical
PT-1	Unit-1: Management of sporting events Unit-2: Yoga as preventive measures for lifestyle disease	
Half Yearly Exam	Unit-1: Management of sporting events Unit-2: Management of sporting events Unit-3: Physical Education and sports for CWSN Unit-4: Sports and nutrition Unit-5: Test and measurements in sports	Physical Efficiency Test With Project File
PT-2	Unit Test-6: Physical education and sports for cwsn-divyang Unit Test-7: Bio-mechanics and sports	
PB-1	Unit-1: Management of sporting events Unit-2: Management of sporting events Unit-3: Physical Education and sports for CWSN Unit-4: Sports and nutrition Unit-5: Test and measurements in sports Unit-6: Physical education and sports for cwsn-divyang Unit-7: Bio-mechanics and sports Unit-8: Physiology and injuries in sports Unit-9: Psychology and Sports Unit-10: Training in sports	Physical Efficiency Test With Project File
PB-2	Unit-1: Management of sporting events Unit-2: Management of sporting events Unit-3: Physical Education and sports for CWSN Unit-4: Sports and nutrition Unit-5: Test and measurements in sports Unit-6: Physical education and sports for cwsn-divyang Unit-7: Bio-mechanics and sports Unit-8: Physiology and injuries in sports Unit-9: Psychology and Sports Unit-10: Training in sports	Physical Efficiency Test With Project File

Sl.no.	Month	No.of ID	Topics
1	April	10	<b>Unit I Numbers, Quantification and Numerical Applications</b> <ul style="list-style-type: none"> <li>• Modulo Arithmetic</li> <li>• Congruence modulo</li> <li>• Allegation and Mixture</li> <li>• Numerical problems on boats and streams; pipes and cistern; races and games.</li> </ul>
2	May	25	<b>Unit I Numbers, Quantification and Numerical Applications (Contd.)</b> <ul style="list-style-type: none"> <li>• Numerical inequalities</li> </ul> <b>Unit II Algebra</b> <ul style="list-style-type: none"> <li>• Matrices and types of matrices</li> <li>• Algebra of matrices</li> <li>• Determinants</li> <li>• Inverse of a matrix</li> <li>• Cramer's rule and its application</li> <li>• Simple applications of matrices and determinants including solution of simultaneous linear equations by matrix inversion method.</li> </ul> <b>Unit III Calculus</b> <b>Differentiation and it's Applications</b> <ul style="list-style-type: none"> <li>• Higher order derivatives</li> <li>• Application of derivatives ( Rate measurer, equation of tangent and normal)</li> </ul>
3	June	19	<b>Unit III Calculus (Contd.)</b> <ul style="list-style-type: none"> <li>• Increasing and Decreasing functions</li> <li>• Maxima and Minima</li> <li>• Marginal cost and marginal revenue using derivatives</li> </ul> <b>Integration and its Application</b> <ul style="list-style-type: none"> <li>• Integration</li> <li>• Indefinite integral as family of curves</li> <li>• Definite integral as area under the curve</li> <li>• Integration of simple algebraic functions (primitive, by substitution, by parts)</li> <li>• Application of Integration (consumer surplus-producer surplus)</li> <li>• Differential equation (definition, order, degree)</li> <li>• Formulating and solving linear differential equation</li> <li>• Application of differential equation (Growth and Decay Model)</li> </ul>



			<b>Revision for QE</b>
4	July	6	<b>Unit IV Probability</b> <ul style="list-style-type: none"> <li>• Probability Distribution</li> <li>• Mathematical Expectation</li> </ul>
5	Aug	24	<b>Unit IV Probability (contd.)</b> <ul style="list-style-type: none"> <li>• Variance</li> <li>• Binomial Distribution</li> <li>• Poisson distribution</li> <li>• Normal distribution</li> <li>• Basic applications and inferences</li> </ul> <b>Unit V Inferential Statistics</b> <ul style="list-style-type: none"> <li>• Population and sample</li> <li>• Parameter, statistic and statistical inferences</li> <li>• t-Test (one sample t-test and two independent groups t-test)</li> </ul>
6	Sept	25	<b>Unit VI Index numbers and Time-based data</b> <ul style="list-style-type: none"> <li>• Index numbers, uses of index numbers</li> <li>• Construction of index numbers (simple and weighted)</li> <li>• Tests of adequacy of index numbers (unit test and time reversal test)</li> <li>• Time series, Time series analysis for univariant data sets</li> <li>• Trend analysis by moving average method</li> <li>• Trend analysis by fitting of linear trend line using method least squares</li> </ul> <b>Unit VII Financial Mathematics</b> <ul style="list-style-type: none"> <li>• Perpetuity, Sinking funds</li> <li>• Valuation of Bonds (Present value approach and Relative price approach)</li> <li>• Calculation of EMI</li> <li>• Calculation of returns, nominal rate of return, effective rate of interest</li> <li>• Compound annual growth rate</li> <li>• Linear method of depreciation</li> </ul>
7	Oct	14	<b>Unit VIII Linear Programming</b> <ul style="list-style-type: none"> <li>• Introduction and related terminologies (constraints, objective function, optimization)</li> <li>• Mathematical formulation of linear programming problems</li> <li>• Different types of linear programming problems (Transportation and assignment)</li> </ul>

problem)

- Graphical method of solution for problems in two variables
- Feasible and infeasible regions (bounded and unbounded)
- Feasible and infeasible solutions, optimal feasible solutions (up to three non-trivial constraints)

**Revision for PB-1**

**Portion for Assessments-2023-24**

QE

**Unit I Numbers, Quantification and Numerical Applications**

- Modulo Arithmetic
- Congruence modulo
- Allegation or Mixture
- Numerical problems on boats and streams; pipes and cistern; races and games.

**Unit II Algebra**

- Matrices and types of matrices
- Algebra of matrices
- Determinants
- Inverse of a matrix
- Cramer's rule and its application
- Simple applications of matrices and determinants including solution of simultaneous linear equations by matrix inversion method.

**Unit III Calculus**

**Differentiation and it's Applications**

- Higher order derivatives
- Application of derivatives ( Rate measurer, equation of tangent and normal)
- Increasing and Decreasing functions
- Maxima and Minima
- Marginal cost and marginal revenue using derivatives

**Integration and its Application**

- Integration
- Indefinite integral as family of curves
- Definite integral as area under the curve
- Integration of simple algebraic functions (primitive, by substitution, by parts)
- Application of Integration (consumer surplus-producer surplus)
- Differential equation (definition, order, degree)
- Formulating and solving linear differential equation

	<ul style="list-style-type: none"> <li>Application of differential equation (Growth and Decay Model)</li> </ul>
<b>PB-I</b>	Entire Syllabus
<b>PB- II</b>	Entire Syllabus

### Practicals

- Plot the graphs of functions on excel and study the graph to find out point of maxima/minima
- Probability and dice roll simulation
- Matrix multiplication and inverse of a matrix
- Stock Market data sheet on excel
- Collect the data on weather, price, inflation, and pollution; analyze the data and make meaningful inferences
- Collect data from newspapers on traffic, sports activities and on market trends and use excel to study future trends.

### Projects

- Check out the local newspaper and cut out examples of information depicted by graphs. Draw your own conclusions from the graph and compare it with the analysis given in the report.
- Analysis career graph of a cricketer (batting average for a batsman and bowling average for a bowler). Conclude the best year of his career.
- Each day newspaper tells us about the maximum temperature, minimum temperature, humidity. Collect the data for a period of 30 days and represent it graphically. Compare it with the data available for the same time period for the previous year
- Analysis of population migration data – positive and negative influence on urbanization;

### Assessment of practical and Project

Sr.No.	Area and weightage	Assessment Area	Marks allocated
1	Project work (10 marks)	Project work and record	5
		Year End Presentation/Viva of the Project	5
2	Practical work (10 marks)	Performance of practical and record	5
		Year end test of any one practical	5
Total			20

**Class: XII****Scheme of Work 2023-24****Subject- Psychology**

S.N	Month	No. of ID	Unit to be Covered	PRACTICAL
1	April 2023	10	1.Variation in Psychological Attributes	
2	May 2023	25	1. Variation in Psychological Attributes 2.Self and Personality	MPI(Maudsely Personality Inventory)
3	June 2023	15	3.Meeting life Challenges	
4	July 2023	6	4. Psychological Disorders	
5	Aug 2023	24	4. Psychological Disorders 5. Therapeutic Approaches	AISS(Adjustment Inventory for School Children)
6	Sep 2023	16	5.Therapeutic Approaches	SPM(Standaed progressive matrices0
7	Oct 2023	20	6. Social Influence and group Processes	
8	Nov 2023	23	7. Attitude and Social Cognition	

**Portion for Assessments-2023-24**

QE(June-July23)	<ul style="list-style-type: none"> <li>• Variation in Psychological Attributes</li> <li>• Self and Personality</li> <li>• Meeting life Challenges</li> </ul>	
PB-(Oct23)	CH-1,2,3,4,5,6 (approx.	
PB-II(Dec-Jan 23)	CH-1,2,3,4,5,6,7	
NEP	-----	-----

**Projects/Subject Enrichment Activities**

Month	Activity	Objective/s	Details & Evaluation
May-2023	Project on Personality assessment	The students will learn and understand the concept of assessment.	<ul style="list-style-type: none"> <li>• Correct information</li> <li>• Presentation</li> </ul>
Aug-2023	Case study	The students will learn about the various psychological attributes of the subject and will carry out psychometric test as well as survey and observation	<ul style="list-style-type: none"> <li>• Correct information(content)</li> <li>• Presentation(written in clear manner)</li> </ul>
Sep2023	Questionnaire	The students will learn how to make a standardized psychometric test	<ul style="list-style-type: none"> <li>• Pilot survey</li> <li>• Scoring</li> <li>• Items validity and reliability</li> </ul>

S.N	Month	No. of ID	NCERT Home Science Text book (Part I & Part II)	Practical
1.	April- 2023	10	<b>Unit I- Work, Livelihood and Career</b> <b>Chapter 1:</b> Work ,Livelihood and Career <ul style="list-style-type: none"> <li>• Introduction</li> <li>• Traditional occupation in India</li> <li>• Work, age Gender</li> </ul>	<b>Activity 3-</b> Visit to local artisans, Students will prepare resource file on the local traditional art, craft and cuisins. <b>Activity-4-</b> Collect information on women in your region who have contributed significantly to society
	May- 2023	25	<ul style="list-style-type: none"> <li>• Life skills for livelihood</li> <li>• Ergonomics</li> <li>• Entrepreneurship</li> </ul> <b>Unit 2- Nutrition, Food Science and Technology</b> <b>Chapter 2-</b> Clinical Nutrition and Dietetics	<b>Activity 5-</b> Prepare a power point presentation of distinguished women in Science, Technology, Mathematics, sports,Education,Literature,Medicine and other important areas.
2.	June-2023	15	<b>Unit 2- Nutrition, Food Science and Technology</b> <b>Chapter 3-</b> Public Nutrition and Health <b>Chapter 5 –</b> Food Processing and Technology	1. Modification of normal diet to soft diet for elderly person. 2. Development and preparation of supplementary foods for nutrition programme. 3. Planning a menu for a school canteen or mid-day meal in school for a week. 4. Design, prepare and evaluate a processed food product.
3.	July 23	06	<b>Chapter 6-</b> Food Quality and Food Safety	5. Qualitative test for food adulteration in: pure ghee, tea leaves, whole black pepper, turmeric powder, milk, asafoetida.
3.	August-2023	23	<b>Unit III-Human Development and Family Studies.</b> <b>Chapter 7-</b> Early Childhood Care and Education. <b>Chapter 10-</b> Management of Support Services ,Institutions and programmes for Children, youth and Elderly	6. Preparation and use of any one teaching aid to communicate socially relevant messages for children/ adolescents /adults in the community. OR Preparation of any one toy for children (age appropriate) using locally available and indigenous material
4.	September-2022	15	Unit 4- Fabric And Apparel Chapter 11: Design for Fabric and Apparel Chapter 12: Fashion Design and Merchandising Ch- 15: Care and Maintenance of Fabrics in Institutions	7. Preparation of any one article using applied textile design techniques; tie and dye/batik/block printing. 8. Remove different types of stains from white cotton cloth –Ball pen, curry, grease, ink, lipstick, tea and coffee.
5.	October-2022	20	<b>Unit V-Resource Management</b> <b>Chapter 17:</b> Hospitality Management <b>Chapter 20:</b> Consumer Education and Protection	10. Evaluate any one advertisement for any job position. 11. Develop a leaflet/pamphlet for Consumer Education and Protection on any one of the following

			<b>UNIT VI – Communication and Extension</b> <b>Ch-21-</b> Development Communication and Journalism	a) Consumer Protection Act (CPA) b) Consumer responsibilities c) Consumer organization d) Consumer Problem
6.	Nov 2022	23	Revision, PB-I	
7.	Dec-2022	09	Revision, PB-II	
8.	Jan-2023	21	Revision, PB-III	
9.	Feb-2023	24	Self study at home/hostel	
10.	March-2023	19	Board Exam	

### Portion for Assessments-2023 - 2024

<b>PT-1</b>	<b>Unit I- Work, Livelihood and Career</b> <b>Chapter 1:</b> Work ,Livelihood and Career <b>Unit 2- Nutrition, Food Science and Technology</b> <b>Chapter 2-</b> Clinical Nutrition and Dietetics. <b>Chapter 3-</b> Public Nutrition and Health
<b>Half Yearly Exam</b>	<b>Unit I- Work, Livelihood and Career</b> <b>Chapter 1:</b> Work ,Livelihood and Career <b>Unit 2- Nutrition, Food Science and Technology</b> <b>Chapter 2-</b> Clinical Nutrition and Dietetics <b>Chapter 3-</b> Public Nutrition and Health <b>Chapter 5 –</b> Food Processing and Technology <b>Chapter 6-</b> Food Quality and Food Safety <b>Unit III-Human Development and Family Studies.</b> <b>Chapter 7-</b> Early Childhood Care and Education. <b>Chapter 10-</b> Management of Support Services ,Institutions and programmes for Children, youth and Elderly
<b>PB-1</b>	<b>Full Syllabus</b>
<b>PB-2</b>	<b>Full Syllabus</b>
<b>AISSCE 2023 -2024</b>	<b>Full Syllabus</b>

### Project

Any one of the following project may be undertaken and evaluated –

1. Study of an integrated community based, nutrition/health programme being implemented in own area , with reference to –
  - a) Programme objectives
  - b) Focal group/ Beneficiaries
  - c) Modalities of implementation
2. Visit to the neighbouring areas and interview two adolescents and two adults regarding their perception of persons with special needs.
3. Profile any two person (child/adult) with special needs to find out their diet, clothing , activities, physical and psychological needs.
4. Planning any five messages for nutrition, health and life skills using different modes of communication for different focal groups.
5. Market survey any five processed foods with their packaging and label information

SL no	Month	No. of Days	History of Indian art by Devender Kumari
1	April-2023	09	<b>Unit-1</b> <b>(a) Rajasthani School of Miniature Painting.</b> Section – 1: Origin and development Section - 2: Main features.. Section – 3: Study of the Paintings
2	May-2023	25	<b>Section – 3: Study of Rajasthani miniature Paintings (continue)</b>
3	June-2023	20	<b>(b) Pahari School of miniature Paintings.</b> Section – 1: Origin and development Section – 2: Main features... <b>Section - 3: Study of the paintings.</b>
4	July-2023	06	<b>Unit-2</b> <b>(a) Mughal School of miniature Painting.</b> Section – 1: Origin and development Section – 2: Main features.....
5	Aug-2023	23	<b>Section-3: Study of Mughal Paintings</b>
6	Sept-2023	15	<b>(b) The Deccan school</b> <b>Contribution of Indian artist in the struggle for National Freedom Movement Indian National Flag &amp; the Symbolic significance of its forms and the colours</b>
7	Oct-2023	19	<b>Unit-3</b> <b>(a) The Bengal School of Painting and the Modern trends in Indian Art (About the beginning to mid of the 20th Century)</b> <b>(i) National Flag of India and the Symbolic significance of its forms and the colour</b> <b>8(ii) Introduction of Bengal school of painting.</b> <b>9Origin and development</b> <b>Main Features...</b>
8	Nov-2023	22	<b>(iii) Study of the Bengal School of Paintings..</b>
9	Dec-2023	15	<b>(b) Introduction of modern trends in Indian art</b> <b>(i) Study of Modern painting</b>
10	Jan-2024	21	<b>(ii) Study of the Graphic Prints</b>
11	Feb-2024	23	<b>(iii) Study of the Sculptures</b>
12	Mar-2024	19	<b>Revision</b>

### Portion for Assessments-2023-24

<b>PT-1</b>	<b>Rajashani miniature painting and Pahari school of miniature painting.</b>	Origin and development, Main features, Study of the Paintings, Sub-Schools.
<b>Half Yearly Exam</b>	<b>Rajasthani school of miniature Painting Pahari school of miniature painting Mughal school of miniature painting and Deccan school of miniature Painting</b>	Origin and development, Main features, Study of the Paintings.
<b>PT-2</b>	<b>Indian national Flag, Bengal school of painting and modern trends of Indian art.</b>	Origin and development, Main features, Study of the Paintings, evolution of National Flag, significance of its forms and the colours.
<b>Annual Exam</b>	<b>Rajasthani school of miniature painting Pahari school of miniature Painting Mughal school of miniature painting and Deccan school of miniature Painting Indian national Flag, Bengal school of painting and modern trends of Indian art. Deccan school miniature Painting Indian National flag &amp; Bengal school of Art</b>	Origin and development, Main features, Study of the Paintings, evolution of National Flag, significance of its forms and the colours, study of the work of Contemporary Modern Indian art.

### Projects/Subject Enrichment Activities

Month	Activity	Objectives	Details & Evaluation
<b>April to Aug -2023</b>	<b>Nature and object study (Completion By 31<sup>st</sup> Aug)</b>	<b>Exercises in pencil with light &amp; shade and in colour from fixed point of view</b>	<b>Drawing-15 Treatment of colours-05 Overall impression-05</b>
<b>September to December-2023</b>	<b>Painting Composition (Completion By 30<sup>st</sup> Nov)</b>	<b>Imaginative Painting based on subjects from life &amp; nature in water colour and poster colour.</b>	<b>Compositional arrangement-15 Treatment of colour-05 Originality, Creativity-05</b>
<b>January-2024</b>	<b>Portfolio Assessment (Submission by 9<sup>th</sup> Dec 2024)</b>	<b>Record of the entire Years performance from sketch to finished product.</b>	<b>Record of the entire year-10 Nature and object study-05 Painting composition-05</b>
<b>Feb-2024</b>	<b>Revision</b>		<b>Total marks(Practical)-70</b>