UNIT TEST & TERM WISE SYLLABUS
STD XII: SCIENCE STREAM (2024-25)

S.No	SUBJECT	UNIT TEST	TERM 1(Mid Term)	TERM 2 (Pre Board)
1	ENGLISH	Reading: Unseen Passage Creative Writing Skills: Notice Job application Article Literature: Book: Flamingo The Last Lesson Lost Spring Deep Water My Mother at Sixty-six (poem) Book: Vistas The Third Level	Reading: Unseen Passages Creative Writing Skills: Notice Job application Article Literature: Book: Flamingo The Last Lesson Lost Spring Deep Water The Rattrap Indigo My Mother at Sixty-six (poem) Keeping Quiet (poem) A Thing of Beauty (poem) Book: Vistas The Third Level The Tiger King Journey to the End of the Earth	Reading: Unseen Passages Creative Writing Skills: Notice Formal and informal invitation and reply Job application Letter to the editor Article Report writing Literature: Book: Flamingo The Last Lesson Lost Spring Deep Water The Rattrap Indigo Poets and Pancakes The Interview Going Places My Mother at Sixty-six (poem) Keeping Quiet (poem) A Thing of Beauty (poem) A Roadside Stand (poem) Aunt Jennifer's Tigers (poem) Book: Vistas

				The Third Level The Tiger King Journey to the End of the Earth The Enemy On the Face of it Memories of Childhood
2	PHYSICS	Unit–I Electrostatics Unit-II Current Electricity	Unit–I Electrostatics Unit-II Current Electricity Unit-III Magnetic Effects of Current and Magnetism Unit-IV Electromagnetic Induction and Alternating Currents	Unit–I Electrostatics Unit-II Current Electricity Unit-III Magnetic Effects of Current and Magnetism Unit-IV Electromagnetic Induction and Alternating Currents Unit–V Electromagnetic Waves Unit–VI Optics Unit–VII Dual Nature of Radiation and Matter Unit–VIII Atoms and Nuclei Unit–IX Electronic Devices
3	CHEMISTRY	Unit 1 : Solutions (Only following topics) 1.1 Type of solutions 1.2 Expressing Concentration of Solutions 1.3 Solubility 1.4 Vapour Pressure of Liquid Solutions 1.4.1 Vapour Pressure of Liquid- Liquid Solutions 1.4.2 Raoult's Law as a special case of Henry's Law	Unit 1 : Solutions Unit 2 : Electrochemistry Unit 3 : Chemical Kinetics (Only following topics) 3.1 Rate of chem reaction 3.2 Factors influencing rate of reaction 3.2.1: Dependence of rate on concentration 3.2.2: Rate expression and rate constant by 3.2.3: Order of a reaction 3.2.4: Molecularity of a reaction	Unit 1 : Solutions Unit 2 : Electrochemistry Unit 3 : Chemical Kinetics Unit 4: d and f block elements Unit 5: Coordination Compounds Unit 6: Haloalkanes and haloarenes Unit 7 : Alcohols phenols and ethers Unit 8: Aldehydes, Ketone and Carboxylic Acids. Unit 9: Amines Unit 10: Biomolecules

		1.4.3 Vapour Pressure of Solutions of Solids in Liquids Unit 6: Haloalkanes and haloarenes Unit 7: Alcohols phenols and ethers	Unit 4: d and f block elements Unit 6: Haloalkanes and haloarenes Unit 7 : Alcohols phenols and ethers	
4	BIOLOGY	Chap 2. Sexual reproduction in plants Chap 3. Human reproduction Chap 4. Reproductive health Chap 13. Organisms and population	Chap 2. Sexual reproduction in plants Chap 3. Human reproduction Chap 4. Reproductive health Chap 5. Principles of inheritance and Variations Chap 7. Evolution Chap 8. Human health and diseases Chap 13. Organisms and population Chap 15. Biodiversity and Conservation	Chap 2. Sexual reproduction in plants Chap 3. Human reproduction Chap 4. Reproductive health Chap 5. Principles of inheritance and Variations Chapter-6: Molecular Basis of Inheritance Chap 7. Evolution Chap 8. Human health and diseases Chapter-10: Microbes in Human Welfare Chapter-11: Biotechnology - Principles and Processes Chapter-12: Biotechnology and its Applications Chap 13. Organisms and population Chapter-14: Ecosystem Chap 15. Biodiversity and Conservation
5	MATHS	Chapter 1- Relations and Functions Chapter 2- Inverse Trigonometric Functions Chapter 3- Matrices Chapter 4- Determinants	Chapter 1- Relations and Functions Chapter 2- Inverse Trigonometric Functions Chapter 3- Matrices Chapter 4- Determinants	Chapter 1- Relations and Functions Chapter 2- Inverse Trigonometric Functions Chapter 3- Matrices Chapter 4- Determinants Chapter 5- Continuity and differentiability

		Chapter 5- Continuity and differentiability(only continuity)	Chapter 5- Continuity and differentiability Chapter 6- Application of Derivatives Chapter 10- Vector Algebra Chapter 11- Three Dimensional Geometry Chapter 12- Linear Programming	Chapter 6- Application of Derivatives Chapter 7- Integrals Chapter 8- Application of Integrals Chapter 9- Differential Equations Chapter 10- Vector Algebra Chapter 11- Three Dimensional Geometry Chapter 12- Linear Programming Chapter 13- Probability

6	COMPUTER SCIENCE	Review of Python Basics
		Functions
		Data File Handling
		   Text Files
		   Binary Files
		   CSV Files
			Review of Python Basics
			Functions
			Data File Handling
			   Text Files
			   Binary Files
			   CSV Files
			Relational Database and SQL
			Interface Python with Sql
			
			Practical
			Python Program : 10 marks
			SQL : 5 marks
			File & : 8 marks
			Register
			Project : 3 marks
			         synopsis
			Viva : 4 marks
				Term II
				Creation of Database connectivity applications
				Computer Networks
				Python Data Structures: Lists
				
				Practical
				Python Program : 8 marks
				SQL : 4 marks
				File : 7 marks
				Project : 8 marks
				Viva : 3 marks

7	HOME SCIENCE	Chapter 2: Clinical Nutrition and Dietetics Chapter 3: Public Nutrition and Health	Chapter 1: Work, Livelihood, and Career Chapter 2: Clinical Nutrition and Dietetics	Chapter 1: Work, Livelihood, and Career Chapter 2: Clinical Nutrition and Dietetics

		Chapter 4: Food Processing and Technology	Chapter 3: Public Nutrition and Health Chapter 4: Food Processing and Technology Chapter 5 : Food Quality and Food Safety Chapter 6: Early Childhood Care and Education Chapter 7: Management of support services, institution, and programs for children youth, and elderly Chapter 10: Care and maintenance of fabrics in institution Chapter 11: Hospitality Management Chapter 12: Consumer Education and Protection	Chapter 3: Public Nutrition and Health Chapter 4: Food Processing and Technology Chapter 5 : Food Quality and Food Safety Chapter 6: Early Childhood Care and Education Chapter 7: Management of support services, institution, and programs for children youth, and elderly Chapter 8: Design for Fabric and Apparel Chapter 9: Fashion Design and Merchandising Chapter 10: Care and maintenance of fabrics in institution Chapter 11: Hospitality Management Chapter 12: Consumer Education and Protection Chapter 13: Development Communication and Jouralism
8	PSYCHOLOGY	1.Variations in Psychological Attributes 2.Self and Personality 3.Meeting Life Challenges	1.Variations in Psychological Attributes 2.Self and Personality 3. Meeting Life Challenges 4.Psychological Disorders 5.Therapeutic Approaches	1.Variations in Psychological Attributes 2.Self and Personality 3. Meeting Life Challenges 4.Psychological Disorders 5.Therapeutic Approaches 6.Attitude and Social Cognition 7.Social Influence and Group Processes

| 9 | GERMAN | LEKTION 15, 16
Section A – Reading Comprehension (unseen passage)

Section B – Writing
Based on stimulus compose an e-mail
Based on stimulus compose a dialogue
Section C – Applied Grammar

● Future tense (Futur I - werden + Infinitiv)
● als ob kII
● Von als Genitivsatz
● sodass/so..dass

Section D – Textbook
Completing a passage with the vocabulary provided (from the text book)
Comprehension (from the text book) | LEKTION 15, 16
Section A – Reading Comprehension (unseen passage)

Section B – Writing
Based on stimulus compose an e-mail
Based on stimulus compose a dialogue
Section C – Applied Grammar

● Future tense (Futur I - werden + Infinitiv)
● als ob kII
● Von als Genitivsatz
● sodass/so..dass
● Passiv präsens
● Passiv Prätiertium
● anstatt.. zu inf

Section D – Textbook
Completing a passage with the vocabulary provided (from the text book)
Comprehension (from the text book) | Section A – Reading . Comprehension (unseen passage)
Comprehension (unseen passage)

Section B – Writing
 Based on stimulus compose an E-mail (approx. 80 words)
 Based on stimulus compose a dialogue

 Section C – Applied Grammar
 .Passive voice (Passiv Präsens, Passiv Präteritum)
 Subordinate clauses (als ob, da, falls, sodass, statt dass, statt…zu)
.Adjectives and participle as nouns
Future tense (Futur I - werden + Infinitiv)
 Personal pronouns in accusative and dative case
Section D – Textbook
 Completing a passage with the vocabulary provided (from the text book)
 Completing a passage with the vocabulary provided (from the text book)
Comprehension (from the text book) |
| 10 | ECONOMICS | MACROECONOMICS-
1.National Income accounting
2.Money and Banking
INDIAN ECONOMIC DEVELOPMENT- | MACROECONOMICS
National Income and accounting
Money and banking
Determination of income and employment | MACROECONOMICS
National Income and accounting
Money and banking
Determination of income and employment |

		1. Indian economy on the eve of independence 2. Indian economy 1950-1990	Government budget BOP and foreign exchange INDIAN ECONOMIC DEVELOPMENT Indian economy on the eve of independence Indian economy 1950-1990 New economic policy 1991	Government budget BOP and foreign exchange INDIAN ECONOMIC DEVELOPMENT Indian economy on the eve of independence Indian economy 1950-1990 New economic policy 1991 Environment and sustainable development Human Capital formation Rural development Employment Comparative study-India, China and Pakistan
11	FINE ARTS	THEORY - ● Origin and Development of Miniature Paintings ● Rajasthani Miniature Paintings ● Pahari Miniature Paintings PRACTICAL- ● Artworks ● Sketch file ● Portfolio	THEORY - ● Origin and Development of Miniature Paintings ● Rajasthani Miniature Paintings ● Pahari Miniature Paintings ● Mughal Miniature Paintings ● Deccan Miniature Paintings PRACTICAL-	THEORY - ● Origin and Development of Miniature Paintings ● Rajasthani Miniature Paintings ● Pahari Miniature Paintings ● Mughal Miniature Paintings ● Deccan Miniature Paintings ● Bengal School of Art ● Modern Trends in Indian Art

				PRACTICAL-
			● Still Life Drawing ● Composition Drawing ● Sketch file ● Portfolio	● Still Life Drawing ● Composition Drawing ● Sketch file ● Portfolio
12	PHYSICAL EDUCATION	Unit 1-Management of sporting events Unit 2- Children and women in sports Unit 3- Yoga as a preventive measures for lifestyle diseases	Unit 1- Management of sporting events Unit 2- Children and women in sport Unit 3-Yoga as a preventive measure for lifestyle diseases Unit 4- Physical education and sports for CWSN Unit 5- Sports and Nutrition Unit 6-Test and measurement in sports Unit 7- Physiology and injuries in sports **PRACTICAL- (30 marks)** Physical fitness Yogic asanas Viva Physical lab manual	Unit 1- Management of sporting events Unit 2- Children and women in sport Unit 3-Yoga as a preventive measure for lifestyle diseases Unit 4- Physical education and sports for CWSN Unit 5- Sports and Nutrition Unit 6-Test and measurement in sports Unit 7- Physiology and injuries in sports Unit 8-Biomechanic and sports Unit 9- Psychology and sports Unit 10-Training and sports **PRACTICAL -(30 marks)** Physical fitness Yogic asanas Viva Physical lab manual

| 13 | INFORMATION PRACTICES | **Chapter-1** Querying and SQL Functions **Chapter-2** Data Handling Using Pandas - I (till Python Series-Page 40 NCERT) | **Chapter-1** Querying and SQL Functions **Chapter-2** Data Handling Using Pandas - I **Chapter-5** Internet and Web | **Chapter-4** Plotting Data using Matplotlib **Chapter-6** Societal Impacts **Chapter-7** Project Based Learning |