

ANNUAL SYLLABUS (2023-2024)
GRADE - XII
SUBJECT – ENGLISH CORE 301

Book prescribed : Flamingo & Vistas

Month	Topic	Objectives	Art Integration / Experiential learning	Methodology of teaching /Art of teaching	Learning Outcome
March	Ch.1 - Last Lesson Poem My Mother at Sixty-Six :	<p>i) to make students realise that ageing is a natural process and is going to envelope one and all.</p> <p>ii) comprehend the story, understand, enjoy and appreciate a wide range of text (different genre)</p> <p>iii) understand the meaning and usage of phrases and statements</p>		Lecture & discussion method	<p>Students will be able to</p> <p>i)read the poem with proper expressions, pauses and voice modulation.</p> <p>ii) comprehend the poem. iii)understand and find out the figures of speech in the poem. iv)understand and share the loneliness of aged.</p> <p>v) understand the importance of our duties towards the elderly people.</p>
April	Flamingo Ch. – 2 Lost Spring Vistas:Ch.1 –Third Level Ch. 4 – The Enemy Writing Skill: Invitations & Letter Writing (Letter to Editor) Reading Skill : Reading Comprehension	<p>To enable the students to-</p> <p>i) communicate their ideas with a lot of conviction. appreciate the theme and the message conveyed.</p> <p>UN Sustainable Goals to be discussed:</p> <p>. Quality Education – Students will gain insight into the problems of slums and refugees where the children also work to support parents</p> <p>i)comprehend the chapter. and to enhance their</p>	Poster Making	Lecture & Interactive method	<p>Students will be able to-</p> <p>i) analyse that there are millions of children experience no spring in their lives, for their childhood is consumed in making a living.</p> <p>Students will be able to</p> <p>-identify and make connections between similar situations in own life experiences</p> <p>-understand the contrast between the fantasy world and real world</p> <p>-acquire realistic approach towards real life challenges.</p> <p>Students will be able to-</p> <p>i) conclude that people of the world are inherently the same despite the differences in</p>

		<p>vocabulary.</p> <p>ii) communicate their ideas with a lot of conviction. conveyed.</p> <p>analyse the situations and characters of the chapter.</p> <p>To enable the students to</p> <p>-understand how fantasy and reality can be interwoven</p> <p>-understand “waking dream wish fulfilment” concept.</p> <p>To enable the students to-</p> <p>i)comprehend the chapter. and to enhance their vocabulary.</p> <p>iii) communicate their ideas with a lot of conviction. conveyed.</p> <p>iv) analyse the situations and characters of the chapter.</p> <p>v) understand that there are moments in life when we have to make a hard choice between our role as private individuals and as citizens with a sense of national loyalty.</p> <p>To enable the students Conceptual Understanding, application of rules, Analysis, Reasoning, appropriacy of style and tone, using appropriate format and fluency, inference, analysis, evaluation and creativity.</p>			<p>colour, culture and nationalities.</p> <p>realize that war and narrow – nationalism can shuffle human feeling of love and compassion and turn friends and fellow human beings into enemies.</p> <p>Students will be able to-</p> <p>Recall the format and express themselves creatively, develop fluency and Critical Thinking..</p>
May	Flamingo Ch. -3 Deep Water Ch.4 - The Rattrap & Keeping Quiet	<p>To enable the students to-</p> <p>i) evoke subjective responses to the language of poetry.</p> <p>ii) appreciate the images and symbols.</p>		Lecture & Interactive method	<p>Students will be able to-</p> <p>i) appreciate/comprehend the text</p> <p>ii) understand that most challenging situations could be overcome with immense courage and determination</p>

	<p>Vistas: Ch. 2: Tiger King Ch.3 – Journey to The End of the Earth</p> <p>Writing Skill : Notice writing</p>	<p>iii) understand the critical appreciation of the poem based on rhyme, content, theme, genre and literary elements</p> <p>iv) appreciate the beauty of language and understand the rhyme scheme</p> <p>To enable the students to-</p> <p>e i) understand, enjoy and appreciate not only entertaining but also philosophical text</p> <p>ii) understand the use of literary devices to make the story humorous and interesting</p> <p>understand everyone should get a second chance to improve oneself To enable the students to-</p> <p>i) understand first person narrative style</p> <p>ii) understand phrases/catchy lines from the text</p> <p>iii) analyse the difficult situation and act accordingly and to understand another person's experience (Decision Making)</p> <p>To enable the students to-</p> <p>-comprehend the chapter. enhance their vocabulary and expressions.</p> <p>- communicate their ideas regarding Antarctica.</p> <p>-understand that India and Antarctica at one point of time had been part of the same landmass.</p> <p>-understand that the breakup of Gondwana started the episode</p>		<p>iii) know various types of water sports and phobias</p> <p>v) understand that there is terror only in the fear of death and at death there is peace</p> <p>Students will be able to-</p> <p>i) understand that humour is the spice of life</p> <p>ii) become compassionate and helpingdevelop a flair for reading different genre</p> <p>iii) understand everybody must get a chance to undo the wrong he did</p> <p>Students will be able to-</p> <p>-understand that millions of years ago humans hadn't arrived and the climate was much warmer with a variety of flora and fauna.</p> <p>-know that the landmass disintegrated into countries shaping the globe.</p> <p>-understand that to study the Earth's past, present and future, Antarctica is the place – the World's geological history is in Antarctica.</p> <p>Students will be able to-</p> <p>Recall the format and express themselves creatively, develop fluency and Critical Thinking..</p>
--	---	--	--	---

		<p>of a continental drift. -understand the significance of Cordilleran folds and pre-Cambrian granite shield. To enable the students Conceptual Understanding, application of rules, Analysis, Reasoning, appropriacy of style and tone, using appropriate format and fluency, inference, analysis, evaluation and creativity.</p>			
July	<p>Flamingo:Ch. 5 Indigo, Ch. 6 Poet And Pancakes Poem: A Thing of Beauty Vistas:Ch. 6 –On the face of it Writing Skill: Report Writing</p>	<p>To enable the students to i) know the vocabulary used in legal procedures ii) understand the qualities of a leader and about role of Gandhiji in freedom movement iii) know about different freedom fighters in the text. iv) know fundamental rights know the sacrifices and sufferings of people for gaining freedom</p> <p>To enable the students to- -comprehend the chapter - enhance their vocabulary and expressions - communicate their ideas regarding the Indian Film Industry. -enhance their knowledge of the events and personalities in a film company in the early days of Indian cinema. -know about the poets and writers in a film company environment.</p> <p>To enable the students to</p>	Slogan Writing	Lecture & discussion method	<p>Students will be able to ii) get acquainted with the legal vocabulary ii) understand the role of a leader iii) understand the importance of rights know the sufferings and contributions of freedom fighters. Students will be able to- -analyse the working conditions and people involved in the studios. -understand that there was a great deal of national integration. -understand the use of talent and creativity at its best. -analyse that good poetry and music are the deciding factor in the popularity of the film.</p> <p>Students will be able 1. to understand the critical appreciation of the poem 2. to understand that beauty dwells inside us and gives us happiness 3. to appreciate and admire the beauty of nature</p> <p>Students will be able to- Recall the format and express themselves creatively, develop fluency and Critical Thinking.</p>

		<p>i) understand the critical appreciation of the poem based on rhyme, content, theme, genre, literary elements</p> <p>ii) identify the figures of speech used in the poem</p> <p>iii) appreciate the beauty of language</p> <p>To enable the students Conceptual Understanding, application of rules, Analysis, Reasoning, appropriacy of style and tone, using appropriate format and fluency, inference, analysis, evaluation and creativity.</p>			
August	<p>Flamingo:Ch.7 -Interview Poem: Aunt Jennifer's Tigers</p> <p>Vistas: Ch.8 Memories Of Childhood</p> <p>Writing Skill:Article Writing</p>	<p>To enable the students to</p> <p>i) understand interview as communication genre</p> <p>ii) enjoy an excerpt from an interview with an author</p> <p>iii)express personal opinion on the interview genre</p> <p>iv) know the opinions of eminent people about interview</p> <p>To enable the students to</p> <p>i) understand the critical appreciation of the poem based on rhyme, content, theme, genre and literary elements</p> <p>ii) appreciate the beauty of language and understand the rhyme scheme</p> <p>iii) know about the poet and his work/genre</p> <p>iv) visualise the constraint of</p>	Preparation of Questionnaire for the project.	Lecture & discussion method	<p>To enable the students to</p> <p>iii) understand interview as communication genre</p> <p>iv) enjoy an excerpt from an interview with an author</p> <p>iii)express personal opinion on the interview genre</p> <p>v) know the opinions of eminent people about interview</p> <p>understand that the interview holds a position of unprecedented power and influence.</p> <p>Students will be able to-</p> <p>i) understand the critical appreciation of the poem</p> <p>ii) understand that man and woman are equal</p> <p>iii) empathise with the victims of male chauvinism</p> <p>iv) be prepared to face such oppressions boldly</p> <p>v) raise voice against domestic violence</p> <p>Students will be able to-</p> <p>i) comprehend the text in detail</p> <p>ii) know the meaning and usage of new</p>

		<p>married life experienced by a woman.</p> <p>To enable the students to-</p> <p>i) have profound and detailed understanding of the text.</p> <p>ii) express the ideas of the passage orally and in writing.</p> <p>iii) understand the meaning of new words and grammar structure</p> <p>pay attention to the writer's intentions, arguments, ideas, style etc.</p> <p>To enable the students</p> <p>Conceptual Understanding, application of rules, Analysis, Reasoning, appropriacy of style and tone, using appropriate format and fluency,</p> <p>inference, analysis, evaluation and creativity.</p>			<p>vocabulary</p> <p>iii) learn how to respect people from different culture</p> <p>iv) voice for injustice and discrimination.</p> <p>Students will be able to-</p> <p>Recall the format and express themselves creatively, develop fluency and Critical Thinking.</p>
September	Poem: A Roadside Stand	<p>To enable the students to</p> <p>i) read with proper voice intonation and pauses.</p> <p>ii) comprehend the poem and enhance the vocabulary</p> <p>iii) identify the figures of speech.</p> <p>iv) understand the problems of rural folks</p> <p>know about the sufferings of people managing the roadside stand</p>		Lecture & discussion method	<p>Students will be able to</p> <p>) understand the contrast between the lives of rich and poor</p> <p>ii)acquaint themselves with the world around them</p> <p>iii) learn not only from books but from the examples around them.</p> <p>iv) comprehend the poem and enhance the vocabulary.</p>
October	Flamingo: Ch.8 - Going Places Writing Skill:Job Application	<p>To enable the students</p> <p>i) to understand that hard work is required to dream</p> <p>ii) to differentiate between</p>		Lecture & discussion method	<p>Students will be able</p> <p>i) to analyse the difference between realistic and unrealistic dreams</p> <p>ii) to compare their world of fantasy and reality</p>

		<p>unrealistic and realistic dreams</p> <p>iii) to understand that fantasizing can lead to failure to understand the complexities of human relationships among different members of a family</p> <p>To enable the students</p> <p>Conceptual Understanding, application of rules, Analysis, Reasoning, appropriacy of style and tone, using appropriate format and fluency, inference, analysis, evaluation and creativity.</p>			<p>iii) to understand that there is no substitute to hard work</p> <p>iv) to accept the reality in life and responsibility in the family</p> <p>Students will be able to-</p> <p>Recall the format and express themselves creatively, develop fluency and Critical Thinking.</p>
November	REVISION for Pre board Exams	To prepare students for the upcoming exams.	Discussion, doubts session and question answer method		students will be able to perform better in their exams, will learn and build problem solving skills and competency.
December	REVISION for Pre board Exams	To prepare students for the upcoming exams.	Discussion, doubts session and question answer method		students will be able to perform better in their exams, will learn and build problem solving skills and competency.
January	REVISION for Pre board Exams	To prepare students for the upcoming exams.	Discussion, doubts session and question answer method		students will be able to perform better in their exams, will learn and build problem solving skills and competency.
February	REVISION for CBSE board Exams	To prepare students for the upcoming exams.	Discussion, doubts session and question answer method		students will be able to perform better in their exams, will learn and build problem solving skills and competency.

Weekly test and termwise syllabus

Weekly Test 1

11/04/2023 Tuesday

L-1 Flamingo, Invitations & Reading Comprehension passage

Weekly Test 2 25/07/2023 Tuesday

Ch-1,2,3,4 Flamingo

Ch- 1,2&3 Vistas

Poem My mother at sixty six, Keeping quit

Writing- invitations, notice writing and letter to editor.

Term 1-

Term 1 11/09/2023 Friday

Course completed till 05/09/23

Pre Board I Exam 25/10/23 to 10/11/23

Complete course

Pre Board II Exam 20/11/23 to 06/12/23

Complete Syllabus

Pre Board III Exam 15/12/23 to 29/12/23

Complete Syllabus

Pre Board IV Exam 08/01/24 to 22/01/24

Complete Syllabus

Pre Board V Exam 02/02/24 to 16/02/24

Complete Syllabus

Annual Curriculum (2023-24)
GRADE - XII
SUBJECT- ECONOMICS

Book prescribed :

Month	Topic	Objectives	Art Integration/ Experiential learning	Methodology of teaching /Art of teaching	Learning Outcome
April	<p><u>PART A :INTRODUCTORY MACRO ECONOMICS</u></p> <p>Chapter – III National Income and Related Aggregates</p> <p>Chapter – IV Measurement of National Income.</p> <p>Chapter – V Money</p>	<p>Students will be able to learn about numerical and theoretical concepts of national income.</p> <p>Students will also learn the meaning and importance of Money</p>	<p>Solved and Unsolved Numerical.</p> <p>Practical task can be given to students to use money.</p>	<p>Lecture Method</p> <p>White Board Method</p>	<p>Students were well understood about the Numerical and its solutions on National Income by different Methods. Students were able to understand about money and its importance.</p>
May	<p>Chapter – VI Banking: Commercial Banks and the Central Bank</p> <p>Chapter – VII Aggregate demand and related concepts</p> <p>Chapter – VIII Income determination and Multiplier</p> <p>Chapter – IX Excess Demand and Deficient Demand</p> <p>Chapter – X Government Budget and the Economy</p>	<p>Students will be able to learn about Central Bank and Commercial Bank. Students will also learn the meaning and Components of AD and AS. They will learn about the Concept of Investment Multiplier and about Excess and Deficient demand and its rectify measures. Students will Learn about Government Budget and its different types.</p>	<p>Bank visit and Diagrammatic Flow chart Presentation on the said topics</p>	<p>Lecture Method</p> <p>White Board Method</p> <p>Question Answer Method</p>	<p>Students were able to learn about Central Bank and Commercial Bank.</p> <p>Students were able to learn the meaning and Components of AD and AS. They were learn about the Concept of Investment Multiplier and about Excess and Deficient demand and its rectify measures. Students were able Learn about Government Budget and its different types.</p>
July	<p><u>PART B :INDIAN ECONOMIC DEVELOPMENT</u></p>	<p>Students will be able to understand the conditions</p>		<p>Lecture Method</p>	<p>Students were able to understand the conditions of</p>

	<p>Chapter – I Indian Economy on the Eve of Independence</p> <p>Chapter – II Indian Economy (1950-90)</p> <p>Chapter – III Liberalisation, Privatisation and Globalisation : An Appraisal</p> <p>Chapter – IV Human Capital Formation</p>	<p>of Indian economy on the eve of independence.</p> <p>Students will also learn the meaning and importance of LPG concepts in Indian Reform period (1991)</p>	<p>License Policy of the firm will be discuss practically With the students</p>	<p>Interaction Method</p> <p>Question Answer Method</p>	<p>Indian economy on the eve of independence.</p> <p>Students were also learn the meaning and importance of LPG concepts in Indian Reform period (1991)</p>
August	<p>Chapter – V Rural Development</p> <p>Chapter – VI Employment, Growth, informalization and other issues</p> <p>Chapter – VII Environment and Sustainable Development</p> <p>Chapter – VIII Comparative Development Experiences of India and its Neighbors</p>	<p>Students will be able to learn about Rural development in India.</p> <p>They will understand the meaning of Formalisation and Informalisatin in Indian economics sectors. Students will able to learn about Sustainable development and its components. They will be able to compare the developmental path of India, Chaina and Pakistan.</p>	<p>Practical YouTube videos will be shown to the students on the said topics</p>	<p>Lecture Method</p> <p>Interaction Method</p> <p>Question Answer Method</p>	<p>Students were able to learn about Rural development in India.</p> <p>They were understand the meaning of Formalisation and Informalisatin in Indian economics sectors. Students were able to learn about Sustainable development and its components. They were able to compare the developmental path of India, Chaina and Pakistan.</p>
September	<p><u>PART A :INTRODUCTORY MACRO ECONOMICS</u></p> <p>Chapter – XI Foreign Exchange Rate</p> <p>Chapter – XII Balance of Payment</p> <p><i>Term I Exam (11/09/23 to 25/09/23)</i></p>	<p>Students will be able to learn about foreign exchange rate and its types. Students will also understand about Balance of Payment.</p>	<p>Diagrammatic Flow chart Presentation on the said topics</p>	<p>Lecture Method</p> <p>Interaction Method</p> <p>Question Answer Method</p>	<p>Students were able to learn about foreign exchange rate and its types. Students were also understand about Balance of Payment.</p>
October	<p>REVISION OF MACRO ECONOMICS AND INDIAN ECONOMIC DEVELOPMENT</p> <p><i>Pre Board I Exam 25/10/23 to10/11/23</i></p>	<p>Revision and Query Solutions.</p>		<p>Lecture Method</p> <p>Interaction Method</p>	<p>Students were able to revise all the contents of the said chapters and shown their performance in the school examinations.</p>

				Question Answer Method	
November	REVISION OF MACRO ECONOMICS AND INDIAN ECONOMIC DEVELOPMENT <i>Pre Board II Exam 20/11/23 to 06/12/23</i>	Revision and Query Solutions.		Lecture Method Interaction Method Question Answer Method	Students were able to revise all the contents of the said chapters and shown their performance in the school examinations.
December	REVISION OF MACRO ECONOMICS AND INDIAN ECONOMIC DEVELOPMENT <i>Pre Board III Exam 15/12/23 to 29/12/23</i>	Revision and Query Solutions.		Lecture Method Interaction Method Question Answer Method	Students were able to revise all the contents of the said chapters and shown their performance in the school examinations.
January	REVISION OF MACRO ECONOMICS AND INDIAN ECONOMIC DEVELOPMENT <i>Pre Board IV Exam 08/01/24 to 22/01/24</i>	Revision and Query Solutions.		Lecture Method Interaction Method Question Answer Method	Students were able to revise all the contents of the said chapters and shown their performance in the school examinations.
February	<i>Pre Board V Exam 02/02/24 to 16/02/24</i>	Revision and Query Solutions.		Lecture Method Interaction Method Question Answer Method	Students were able to revise all the contents of the said chapters and shown their performance in the school examinations.

Weekly Test 1 25/04/2023 Tuesday Syllabus (Macro Economics Ch-1 to Ch- 3)

Weekly Test 2 22/08/2023 Tuesday Syllabus (Macro Economics Ch-4 to Ch- 10)

Term 1 15/09/2023 Friday Syllabus (Macro Economics Ch-1 to Ch- 10, Indian Development Ch -1 to Ch – 4)

Pre Board I Exam 25/10/23 to 10/11/23 Complete Syllabus (Macro Economics and Indian Economic Development)

Pre Board II Exam 20/11/23 to 06/12/23 Complete Syllabus (Macro Economics and Indian Economic Development)

Pre Board III Exam 15/12/23 to 29/12/23 Complete Syllabus (Macro Economics and Indian Economic Development)

Pre Board IV Exam 08/01/24 to 22/01/24 Complete Syllabus (Macro Economics and Indian Economic Development)

Pre Board V Exam 02/02/24 to 16/02/24 Complete Syllabus (Macro Economics and Indian Economic Development)

Annual Curriculum (2023-24)
GRADE – XII
SUBJECT- PAINTING

Book prescribed: NA

Month	Topic	Objectives	Art Integration/ Experiential learning	Methodology of teaching /Art of teaching	Learning Outcome
March	Practical : Object Study / Nature Study	Object study and nature study develop technical skills, refine artistic vision, and deepen understanding of form, texture, color, and composition.		Demonstrative, and Practical Method	Students will be able to know about the study of objects in watercolour or poster colour from a fixed point of view. It develops artistic skills and an understanding of the natural world.
April	Theory Chapter-1 Ch1 : 1. The Rajasthani School of Miniature Painting Ch-1. 2. : The Pahari School of Miniature Painting Practical : Object Study / Nature Study	Allowing students to better understand the Rajasthan and the western Himalayan Region and its social, political, and artistic approach. By studying artworks from different schools and styles, students learn to recognize the formal elements of those paintings. Object study and nature study develop technical skills, refine artistic vision, and deepen understanding	Visit of Nation Museum to appreciate the original miniature paintings	Lecture & Interactive method through PPT, Demonstrative, and Practical Method	Students will be able to know about the history of Rajasthan and the western Himalayan Region; origin and development and the main features of Rajasthani and Pahari schools of miniature paintings along with seven major paintings from different sub-schools. Students will be able to know about the study of objects in watercolour or poster colour from a fixed point of view. It develops artistic skills and an

		of form, texture, color, and composition.			understanding of the natural world.
May	<p>Theory Chapter-2 Ch-2. : 1. The Mughal School of Miniature Painting Ch-2. : 2. The Deccan School of Miniature Painting</p> <p>Practical : Landscape painting</p>	<p>Allowing students to better understand the Mughal Dynasty and the Deccan Region and its social, political, and artistic approach. By studying artworks from different schools and styles, students learn to recognize the formal elements of those paintings.</p> <p>Landscape painting captures the beauty, mood, and essence of a nature, students exploring the relationship between humans and nature and experimenting with different techniques and styles.</p>	<p>Making of a Miniature Painting.</p> <p>Visit of Nation Museum to appreciate the original miniature paintings</p>	<p>Lecture & Interactive method through PPT</p> <p>Demonstrative, and Practical Method</p>	<p>Students will be able to know about the history of Mughal Dynasty and the Deccan Region; origin and development and the main features of Mughal and Deccan schools of miniature paintings along with six major paintings from different sub-schools.</p> <p>Students will be able to know to draw landscape painting in watercolour or poster colour. It develops artistic skills and an understanding of the natural world.</p>
July	<p>Theory Chapter-3 Ch-3. : 1. New Era in Indian Art Ch-3. : 2. The Bengal School of Painting</p>	<p>Allowing students to better understand the New Era in Indian Art, The Bengal School of Painting and the contribution of Indian artists in the National Freedom movement. By studying artworks from Bengal school artists, students learn to recognize the elements of those paintings.</p>	<p>Film screening on Master artists of Bengal school</p>	<p>Lecture & Interactive method through PPT</p>	<p>Students will be able to know about the history of the Indian freedom movement and the contribution of artists; the technique of Bengal artists and the main features of Bengal schools of paintings along with four major paintings.</p>

	Practical : Painting Composition	To enable the student's imagination, and sense of composition of painting which represents different natural elements with human figures, conveying emotion, creating a sense of space and experimenting with different art elements.		Demonstrative, and Practical Method	Students will be able to know to create figurative composition painting in watercolour or poster colour from their imagination and creative skills. It develops artistic skills and an understanding of the natural world.
August	Theory Chapter-4 Ch-4. : 1. The Modern Trends in Indian Art Introduction Study of Paintings, Graphic Prints & Sculptures	To enable the students to better understand the Modern Trends in Indian Art and different techniques used to create modern Paintings, Graphic Prints & Sculptures. By studying artworks from the Modern era, students learn to recognize the art works	Film screening on Master artists of the Modern era Visit of Nation Gallery of Modern Art to appreciate the Modern Art works	Lecture & Interactive method through PPT	Students will be able to know about the Modern Trends in Indian Art and different techniques used to create modern Paintings, Graphic Prints & Sculptures.
	Practical : Object Study/Painting Composition	To enable the student's imagination, and sense of composition of painting which represents different natural elements with human figures, conveying emotion, creating a sense of space and experimenting with different art elements.		Demonstrative, and Practical Method	Students will be able to know to create figurative composition painting in watercolour or poster colour from their imagination and creative skills. It develops artistic skills and an understanding of the natural world.
September	Theory : Revision	To prepare students for the upcoming exams.	Quizzing	Discussion and question-answer method	Students will be able to perform better in their exams; learn and build problem-solving skills and abilities.

	Practical : Object Study/Painting Composition	To enable the student's imagination, and sense of composition of painting which represents different natural elements with human figures, conveying emotion, creating a sense of space and experimenting with different art elements.		Demonstrative, and Practical Method	Students will be able to know to create figurative composition painting in watercolour or poster colour from their imagination and creative skills. It develops artistic skills and an understanding of the natural world.
October	Theory : Revision Practical : Object Study/Painting Composition	To prepare students for the upcoming exams. To enable the student's imagination, and sense of composition of painting which represents different natural elements with human figures, conveying emotion, creating a sense of space and experimenting with different art elements.		Discussion and question-answer method Demonstrative, and Practical Method	Students will be able to perform better in their exams; learn and build problem-solving skills and abilities. Students will be able to know to create figurative composition painting in watercolour or poster colour from their imagination and creative skills. It develops artistic skills and an understanding of the natural world.
November	Theory : Revision	To prepare students for the upcoming exams. To enable the student's imagination, and sense of composition of painting		Discussion and question-answer method Demonstrative, and Practical Method	Students will be able to perform better in their exams; learn and build problem-solving skills and abilities. Students will be able to know to create composition painting in oil colour or acrylic colour from their imagination and creative

	Practical : Oil Painting / Acrylic Painting on canvas	which represents different natural elements, creating a sense of space and experimenting with oil and acrylic colours on canvas.			skills. It develops artistic skills and an understanding of the colour application skills.
December	Theory : Revision Practical : Oil Painting / Acrylic Painting on canvas	To prepare students for the upcoming exams. To enable the student's imagination, and sense of composition of painting which represents different natural elements, creating a sense of space and experimenting with oil and acrylic colours on canvas.		Discussion and question-answer method Demonstrative, and Practical Method	Students will be able to perform better in their exams; learn and build problem-solving skills and abilities. Students will be able to know to create composition painting in oil colour or acrylic colour from their imagination and creative skills. It develops artistic skills and an understanding of the colour application skills.
January	Theory : Revision Practical : Portfolio Preparation	To prepare students for the upcoming exams.		Discussion and question-answer method	Students will be able to perform better in their exams; learn and build problem-solving skills and abilities.
February	Revision & Board Exams				

Weekly Test1	7/11/2023	Chapter 1 & 2.1
Weekly Test2	8/29/2023	Chapter 2.2 & 3
Terminal Exam 1	9/22/2023	Chapter 1, 2 & 3
Pre Board 1	11/8/2023	Full Syllabus
Pre Board 2	11/30/2023	Full Syllabus
Pre Board 3	12/29/2023	Full Syllabus
Pre Board 4	1/19/2024	Full Syllabus
Pre Board 5	2/14/2024	Full Syllabus



ANNUAL SYLLABUS (2023-2024)

GRADE – XII

SUBJECT – INFORMATICS PRACTICES 083

Month	Topic	Objectives	Art Integration/ Experiential learning	Methodology of teaching /Art of teaching	Learning Outcome/Observation by Teacher
March	Python Review-I	<p>At the end of this chapter the students will be able to understand:</p> <ul style="list-style-type: none"> ➤ Interactive Mode ➤ Script Mode ➤ Data Types ➤ Functions in Python ➤ Sequential Statement 	<ul style="list-style-type: none"> ➤ Hands on experience on computer lab. ➤ Assigned students will make different types of questions to 	<p>Warm up Activity: Class Discussion of the questions like;</p> <ul style="list-style-type: none"> ➤ What is Python? How is the Python language different than the Python Interpreter? ➤ What are the functions in Python? 	<p>.Students will be able to:</p> <ul style="list-style-type: none"> ➤ Interactive Mode ➤ Script Mode ➤ Data Types ➤ Functions in Python ➤ Sequential Statement ➤ Selective Statements ➤ Looping Statements ➤ String and String Methods ➤ List and List Methods ➤ Tuple and Tuple Methods

		<ul style="list-style-type: none"> ➤ Selective Statements ➤ Looping Statements ➤ String and String Methods ➤ List and List Methods ➤ Tuple and Tuple Methods ➤ Dictionary and Dictionary Methods 	discuss in the class.	<ul style="list-style-type: none"> ➤ How many data types are supported by Python? ➤ What is the difference between mutable & immutable ➤ What is the difference between Strings, lists, tuples & dictionary? <p>Practical Sessions/Lecture/Discussion</p> <p>Important questions of the portion will be discussed thoroughly in the class.</p> <p>Quiz related to the chapter will be conducted to recap.</p>	
April	Python Pandas I (Series)	<p>At the end of this chapter the students will be able to</p> <ul style="list-style-type: none"> ➤ Understand Python Libraries ➤ Create Series & Perform various 	Assigned students will make slide show on various Series Operations Hands on	<p>Warm up Activity: Class Discussion of the questions like;</p> <ul style="list-style-type: none"> • What is Python? • How is the Python language different than the Python Interpreter? 	<p>Students will be able to Understand:</p> <ul style="list-style-type: none"> ➤ Understand Python Libraries ➤ Create Series & Perform various Operation on Series • Creation

		<p>Operation on Series</p> <ul style="list-style-type: none"> • Creation • Accessing Elements of the Series • Series Attributes • Series Methods • Mathematical Operations on Series 	<p>experience on computer lab to</p>	<ul style="list-style-type: none"> • What is Python library? • Name few Python libraries? • What are the various methods to store data? <p>➤ Practical</p> <p>➤ Sessions/Lecture/Discussion</p> <p>➤ Online MCQ quiz as the reap of the chapter</p> <p>➤ Important questions of the portion will be discussed thoroughly in the class.</p> <p>➤ Quiz related to the chapter will be conducted to recap.</p>	<p>Accessing Elements of</p> <ul style="list-style-type: none"> • the Series • Series Attributes • Series Methods • Mathematical Operations on Series
May	Python Pandas I (DataFrame)	<p>At the end of this chapter the students will be able to</p> <ul style="list-style-type: none"> • Creation of data frames from dictionary of 	<p>➤ Assigned students will make slide show on operations</p>	<p>Warm up Activity: Class Discussion of the questions like;</p> <ul style="list-style-type: none"> • What is data structure? • What are the benefits of storing 	<p>Students will be able to:</p> <p>➤ Understand the importance of data file for permanent storage of data</p> <p>➤ file Open and close a file (text and binary)</p>

		<p>series, list of dictionaries</p> <ul style="list-style-type: none"> • text/CSV files, display, • iteration. <p>Operations on rows and columns:</p> <ul style="list-style-type: none"> • add (insert /append) , select, delete (drop column and row), rename, • Head and Tail functions <p>indexing using labels, Boolean indexing.</p>	<p>on DataFrame</p> <p>Hands on experience on computer lab to create Pandas Series & Perform Operations on Data Frame</p>	<p>data in the form of series?</p> <ul style="list-style-type: none"> • What are the limitations of Series? • How could the limitations of Series could be removed? • Important questions of the portion will be discussed thoroughly in the class. • Quiz related to the chapter will be conducted to recap. • Lecture method • Practical Sessions • Related Videos will be shown to the studentson theuse of files for data storage. • Important questions of the portion will be discussed 	<p>➤ Read and write data in file</p>
--	--	--	---	---	--------------------------------------

	Plotting with Pyplot II	<p>At the end of this chapter the students will be able to understand:</p> <ul style="list-style-type: none"> ➤ Purpose of plotting Drawing and saving of plots using Matplotlib(line plot, bar graph, histogram) 		<p>thoroughly in the class.</p> <ul style="list-style-type: none"> • Online MCQs Quiz related to the chapter will be conducted to recap in the lab. <p>Warm up Activity: Class Discussion of the questions like;</p> <ul style="list-style-type: none"> • What is the better way to understand numerical data: • Written Numbers or Graphs/Charts • Name different types of graphs/Charts they have used • What are the benefits of representing numerical data in the form of Chart/Graphs 	
July	Plotting with Pyplot II (Contd...)	<p>Students will be able to</p> <p>Customizing plots:</p> <ul style="list-style-type: none"> • Adding label 	➤ Hands on experience on	<p>Warm up Activity: Class Discussion of the questions like;</p>	

	<p>My Sql Revision Tour</p>	<ul style="list-style-type: none"> • Title • legend in plots. • Specifying Plot size & Grid • Changing line color & style • Changing Marker type,size& color ➤ Creating Scatter Charts ➤ Creating Bar Charts & Pie Charts ➤ Saving a picture ➤ Plotting data from Dataframe <p>At the end of the chapter Students will be able to:</p> <ul style="list-style-type: none"> ➤ Recall the SQL done in class XI ➤ Need of Database 	<p>computer lab.</p> <p>➤ Students will make different types of Charts on Python Pandas</p> <p>Case Study:</p> <p>➤ Students are given task to collect the</p>	<ul style="list-style-type: none"> • Name the methods to plot charts • How many types of Charts are supported by Python Pandas • Practical Demo of plotting various types of charts • Adding labels/titles/legends etcIn the chart. <p>Warm up Activity: Class Discussion of the questions like;</p> <ul style="list-style-type: none"> ➤ What is data? ➤ What are the advantages of computerized record 	<p>Students will be able to understand:</p> <ul style="list-style-type: none"> ➤ What is DBMS? ➤ What is relational database model? ➤ Usage of Database in real life ➤ Recall Method of creating database & related tables
--	---------------------------------	---	--	--	--

	<p>Simple queries in SQL</p>	<ul style="list-style-type: none"> ➤ Method of creating database & related tables ➤ Writing different SQL queries <p>At the end of this chapter the students will be able to understand:</p> <ul style="list-style-type: none"> ➤ What is DBMS? ➤ What is relational database model? 	<p>sample database easily available on internet of various organizations like School, Offices, Hospital, Hotel etc.</p> <p>Discover the advantage of computerized record keeping system over manual system.</p> <p>Lab Practical Practice the following SQL commands:</p>	<p>keeping system over manual system?</p> <ul style="list-style-type: none"> ➤ How the data is organized in various database system?. ➤ Related videos will be shared with the students on Database Management system. ➤ Important questions of the portion will be discussed thoroughly in the class. ➤ Quiz related to the chapter will be conducted to recap. <p>Warm up Activity: Class Discussion of the questions like;</p>	<ul style="list-style-type: none"> ➤ Writing different SQL queries <p>Students will be able to understand:</p> <ul style="list-style-type: none"> ➤ What is SQL? ➤ Need for SQL ➤ Create table in SQL. ➤ Identify Primary key, candidate, alternate keys & foreign keys in table ➤ Perform various operations like Select, Insert, Delete, update Drop on SQL tables.
--	------------------------------	--	---	---	---

		<ul style="list-style-type: none"> ➤ Relation Tuples SQL DDL ➤ DML ➤ Relational Algebra ➤ Selection, Projection, Union Cartesian Product 	<ul style="list-style-type: none"> ➤ SELECT ... FROM...WH ERE (with aggregate functions) 	<ul style="list-style-type: none"> ➤ What is database? ➤ What is RDBMS? ➤ What is the difference between DDL & DML commands? ➤ Demonstration of SQL commands with various clauses will be given/ ➤ Important questions of the portion will be discussed thoroughly in the class. ➤ Quiz related to the chapter will be conducted to recap. ➤ Topic wise revision will be done in the class, simultaneously doubts of the students with the help of presentations, google and class tests (oral and written) will be completed thoroughly. 	
--	--	---	---	--	--

Weekly Test 1
Python Review, Series
Weekly Test 2

August	My Sql Functions	<p>At the end of this chapter the students will be able to :</p> <ul style="list-style-type: none"> ➤ Understand various types of SQL functions available ➤ Apply various SQL functions in SQL queries ➤ Predict the output based on SQL queries functions 	<p>Lab Practical Practice the SQL commands using:</p> <ul style="list-style-type: none"> ➤ Aggregate functions (max, min, avg, sum, count) 	<p>Warm up Activity: Class Discussion of the questions like;</p> <ul style="list-style-type: none"> ➤ What is SQL? ➤ What are various SQL commands & their syntax? ➤ Demonstration of SQL commands with various clauses done previously. ➤ Practical Sessions of Application of SQL functions 	
	Querying Using SQL	<p>At the end of this chapter the students will be able to understand:</p> <ul style="list-style-type: none"> ➤ How to add information to tables? ➤ SELECT ... FROM...WHERE 	<p>Lab Practical Practice the various SQL commands</p>	<ul style="list-style-type: none"> ➤ Demonstration Method ➤ Lab Practical Session of various SQL queries 	<p>students will be able to :</p> <ul style="list-style-type: none"> ➤ Understand & execute various types of SQL queries

	Joins and Set Operaon	<p>(with aggregate functions)</p> <ul style="list-style-type: none"> ➤ GROUP BYHAVING ➤ ORDER BY ➤ UPDATE AND DELETE Command ➤ ALTER TABLE AND DROP TABLE Command ➤ Apply Different constraints in the table ➤ Insert values in the table ➤ group by, having clause ➤ Joining of two tables ➤ joins : Cartesian product on two tables, equi-join and natural join 	Lab Practical Practice the various SQL commands	<ul style="list-style-type: none"> ➤ Demonstration Method ➤ Lab Practical Session of various SQL queries based on joining of two tables 	<p>students will be able to :</p> <ul style="list-style-type: none"> ➤ Understand & execute commands for joining of two tables
--	--------------------------	---	---	---	---

			based on Joining of two tables		
September	Introduction to Computer Network	<p>At the end of this chapter the students will be able to</p> <ul style="list-style-type: none"> • Introduction to networks • , Types of network: LAN, MAN, WAN. • Network Devices: modem, hub, switch, repeater, router, gateway Network • Topologies: Star, Bus, Tree, Mesh. 	<p>Assigned students will make slide show on various Types of Network</p> <p>Students will be shown various networking devices</p>	<p>Warm up Activity: Class Discussion of the questions like;</p> <ul style="list-style-type: none"> ➤ What is Network? ➤ What is the need of networking? ➤ Name few Network devices? ➤ Lecture/Discussion Method ➤ Videos related to the topic will be shown to the students ➤ Important questions of the portion will be discussed thoroughly in the class. ➤ Quiz related to the chapter will be conducted to recap ➤ Topic wise revision will be done in the class, 	<p>Students will have knowledge & understanding of</p> <ul style="list-style-type: none"> • Networking • Different Types of network • Various Network Devices: • Various network Topologies:

	<p>REVISION FOR PREBOARD 1 EXAM</p>	<p>Various Internet related terms like</p> <ul style="list-style-type: none"> ➤ Digital Footprints ➤ Net & Communication Etiquettes ➤ Ethical Issues ➤ Open source philosophy ➤ Copyright & other licenses ➤ Cyber Crime & Cyber Law ➤ E-Waste Management ➤ Health concern with Technology Usage 	<ul style="list-style-type: none"> ➤ Various types of cybercrimes that could be committed ➤ Find out various cyber laws & penalties for such crimes ➤ What are various ways for E-Waste management ➤ What are various Health Concern with Technology Usage 	<ul style="list-style-type: none"> ➤ Important questions of the portion will be discussed thoroughly in the class. ➤ Quiz related to the chapter will be conducted to recap. 	<ul style="list-style-type: none"> ➤ How to manage E-Waste
--	---	--	--	--	---

November	REVISION for Pre board Exams	To prepare students for the upcoming exams.	Discussion, doubts session and question answer method		Students will be able to perform better in their exams, will learn and build problem solving skills and competency.
December	REVISION for Pre board Exams	To prepare students for the upcoming exams.	Discussion, doubts session and question answer method		Students will be able to perform better in their exams, will learn and build problem solving skills and competency.
January	REVISION for Pre board Exams	To prepare students for the upcoming exams.	Discussion, doubts session and question answer method		Students will be able to perform better in their exams, will learn and build problem solving skills and competency.
February	REVISION for CBSE board Exams	To prepare students for the upcoming exams.	Discussion, doubts session and question answer method		Students will be able to perform better in their exams, will learn and build problem solving skills and competency.

Python Pandas Series, DataFrame & Matplotlib

Term 1

Course completed till 05/09/23

Pre Board I Exam 25/10/23 to 10/11/23

Complete course

Pre Board II Exam 20/11/23 to 06/12/23

Complete Syllabus

Pre Board III Exam 15/12/23 to 29/12/23

Complete Syllabus

Pre Board IV Exam 08/01/24 to 22/01/24

Complete Syllabus

Pre Board V Exam 02/02/24 to 16/02/24

Complete Syllabus