

D.A.V. INSTITUTIONS, WEST BENGAL ZONE

SPLIT UP SYLLABUS FOR THE SESSION 2023-24

SUBJECT: AI

CLASS: X

MONTH	NO OF WORKING DAYS	Chapters and Content	Multiple Assessment/Practical
APRIL	22	<p><u>EMPLOYABILITY SKILLS:</u> Communication Skills II</p> <p><u>Subject Specific Skills: -</u> UNIT : INTRODUCTION TO AI Foundational concepts of AI</p> <ul style="list-style-type: none"> • Introduction to AI and related terminologies. • Introducing AI, ML & DL. • Introduction to AI Domains (Data, CV & NLP) • Applications of AI • AI Ethics 	<ul style="list-style-type: none"> • Introduction to Python • Implement conditional Statement.
MAY	12	<p><u>EMPLOYABILITY SKILLS :</u> UNIT 2 SELF-MANAGEMENT SKILLS II</p> <p><u>Subject Specific Skills</u></p> <p>UNIT : AI PROJECT CYCLE</p> <ul style="list-style-type: none"> • Introduction to AI Project Cycle • Understanding Problem Scoping & Sustainable Development Goals 	<p>ADVANCE PYTHON</p> <ul style="list-style-type: none"> • Implement conditional Statement cont..
JUNE	15	<p><u>EMPLOYABILITY SKILLS:</u> UNIT 3 : information and communication technology skills-II</p> <p><u>SUBJECTIVE SKILLS:</u></p> <p>UNIT : AI PROJECT CYCLE</p> <p>Data Acquisition Data Exploration Introduction to modeling</p> <ul style="list-style-type: none"> • Introduction to Rule Based & Learning Based AI Approaches • Introduction to Supervised Unsupervised & Reinforcement Learning Models • Neural Networks <p>Evaluation</p>	<p>Programming on Python</p> <ul style="list-style-type: none"> ✓ Implement different Data Types in Python
JULY	25	<u>SUBJECTIVE SKILLS-</u>	

		UNIT 2: AI PROJECT CYCLE-- Modeling Session: Introduction to modelling <ul style="list-style-type: none"> • Introduction to Rule Based & Learning Based AI Approaches • Introduction to Supervised Unsupervised & Reinforcement Learning Models • Neural Networks Evaluation Session: Evaluating the idea 	Programming In Python ✓ Implement Loop
AUGUST	25	<u>EMPLOYABILITY SKILLS:</u> UNIT 4 ENTREPRENEURIAL SKILLS II <u>SUBJECTIVE SKILLS:</u> NATURAL LANGUAGE PROCESSING <ul style="list-style-type: none"> • Introduction to Natural Language Processing • NLP Applications • Revisiting AI Project Cycle • Chat bots 	Programming In Python ✓ Implement break & continue keyword.
MID TERM (Third week of September)		<u>EMPLOYABILITY SKILLS:</u> UNIT 2 SELF-MANAGEMENT SKILLS UNIT 3 INFORMATION AND COMMUNICATION TECHNOLOGY UNIT 4 ENTREPRENEURIAL SKILLS <u>SUBJECTIVE SKILLS:</u> UNIT-1: INTRODUCTION TO AI UNIT 2: AI PROJECT CYCLE UNIT 3: NATURAL LANGUAGE PROCESSING UPTO CHAT BOTS	
SEPTEMBER	25	<u>EMPLOYABILITY SKILLS:</u> Unit- IV Entrepreneurship Skills: - <u>SUBJECTIVE SKILLS:</u> NATURAL LANGUAGE PROCESSING <ul style="list-style-type: none"> • Human Language VS Computer Language • Concepts of Natural Language Processing • Hands-on: Text processing • Data Processing • Bag of Words • TFIDF • NLTK 	Programming In Python <ul style="list-style-type: none"> • LIST Introduction • Computer Vision: Introduction to OpenCV • Hands-on: Image Processing

OCTOBER	16	<p><u>EMPLOYABILITY SKILLS:</u></p> <p>UNIT 5:GREEN SKILLS II</p> <p><u>SUBJECTIVE SKILLS:</u></p> <p>UNIT : EVALUATION –</p> <ul style="list-style-type: none"> • Introduction to Model Evaluation, Confusion Matrix Session Confusion Matrix, Evaluation Score • 	<ul style="list-style-type: none"> • DATA SCIENCES- Data Visualisations
NOVEMBER	22	<p>EVALUATION –</p> <ul style="list-style-type: none"> • Understanding Accuracy, Precision, Recall & F1 Score Practice Evaluation <p>& REVISION</p>	REVISION
<p>FIRST PRE BOARD (X&XII): **Last week of November/First week of December</p>		FULL SYLLABUS	
DECEMBER	19	<u>REVISION</u>	
SECOND PRE-BOARD		FULL SYLLABUS	
JANUARY	26	REVISION AND REMEDIAL CLASSES	Practical File Preparation
FEBRUARY	24		

D.A.V. INSTITUTIONS, WEST BENGAL ZONE.

SPLIT UP SYLLABUS FOR THE SESSION 2023-24

SUBJECT: BENGALI

CLASS: X

MONTH	NO OF WORKING DAYS	Chapters and Content	Multiple Assessment/Practical
APRIL	22	১. জ্ঞানচক্ষু ২. ব্যঞ্জন সন্ধি ৩. গল্পগুচ্ছ (পোস্টমাস্টার) ৪. অনুচ্ছেদ রচনা	গল্প পাঠ
MAY	12	১. বিসর্গ সন্ধি ২. তিন পাহাড়ের কোলে ৩. গল্পগুচ্ছ (পোস্টমাস্টার) ৪. বোধ-পরীক্ষণ	চিত্রসহ ভ্রমণের অভিজ্ঞতা বর্ণনা
JUNE	15	১. তিন পাহাড়ের কোলে ২. ব্যঞ্জন সন্ধি ও বিসর্গ সন্ধি ৩. পত্ররচনা (সম্পাদকের নিকট)	
PORTION FOR FIRST PERIODIC TEST (PT I-III -XII): **PT I (First week of July)		১. বোধ-পরীক্ষণ ২. জ্ঞানচক্ষু ৩. তিন পাহাড়ের কোলে ৪. গল্পগুচ্ছ : পোস্টমাস্টার ৫. ব্যঞ্জন সন্ধি ও বিসর্গ সন্ধি (সন্ধি বদ্ধ, সন্ধি বিচ্ছেদ) ৬. অনুচ্ছেদ রচনা	
JULY	25	১. আলোবাবু ২. সমাস (দ্বন্দ্ব, কর্মধারয়) ৩. গল্পগুচ্ছ : কাবুলিওয়ালা ৪. অনুচ্ছেদ রচনা	সংবাদ
Internal Assessment (III-VIII) SEA (IX-X) Term I ** (First week of August.)		১. তাৎক্ষণিক বক্তৃতা ২. চিত্রসহ বর্ণনা ৩. সরব পাঠ	
AUGUST	25	১. আয় আরো বেঁধে বেঁধে থাকি ২. সমাস : অব্যয়ীভাব ৩. বোধ-পরীক্ষণ ৪. পত্র রচনা	কবিতা পাঠ
PORTION FOR PERIODIC TEST II/ HALF YEARLY EXAMS (III-XII): **PT II/HY (Third week of September)		১. বোধ-পরীক্ষণ ২. জ্ঞানচক্ষু, আলোবাবু ৩. তিন পাহাড়ের কোলে, আয় আরো বেঁধে বেঁধে থাকি ৪. গল্পগুচ্ছ : পোস্টমাস্টার, কাবুলিওয়ালা	

		<p>৫. ব্যঞ্জন সন্ধি ও বিসর্গ সন্ধি (সন্ধি বদ্ধ, সন্ধি বিচ্ছেদ), সমাস (দ্বন্দ্ব, কর্মধারয়, অব্যয়ীভাব)</p> <p>৬. অনুচ্ছেদ রচনা, পত্র রচনা</p>	
SEPTEMBER	25	<p>পুনরাবৃত্তি</p> <p>১. একাকারে</p> <p>২. অনুচ্ছেদ রচনা</p>	
OCTOBER	16	<p>১. অদল বদল</p> <p>২. গঠনগত বাক্য পরিবর্তন</p> <p>৩. গল্পগুচ্ছ : দান প্রতিদান</p>	তাৎক্ষণিক বক্তৃতা
NOVEMBER	22	<p>১. বহুরূপী</p> <p>২. অস্ত্রের বিরুদ্ধে গান</p> <p>৩. সাধু ও চলিত ভাষায় রপান্তর</p> <p>৪. পত্র রচনা</p>	চরিত্র বিশ্লেষণ
<p>PORTION FOR THIRD PERIODIC TEST(PT-III; III-IX, XI) / FIRST PRE BOARD (X & XII) :</p> <p>**Last week of November/First week of December</p>		<p>১. বোধ-পরীক্ষণ</p> <p>২. জ্ঞানচক্ষু, আলোবাবু, অদল বদল , বহুরূপী</p> <p>৩. তিন পাহাড়ের কোলে, আয় আরো বেঁধে বেঁধে থাকি, একাকারে, অস্ত্রের বিরুদ্ধে গান</p> <p>৪. গল্পগুচ্ছ : পোস্টমাস্টার, কাবুলিওয়ালা, দান প্রতিদান</p> <p>৫. ব্যঞ্জন সন্ধি ও বিসর্গ সন্ধি (সন্ধি বদ্ধ, সন্ধি বিচ্ছেদ), সমাস (দ্বন্দ্ব, কর্মধারয়, অব্যয়ীভাব), বাক্য পরিবর্তন (সরল, জটিল, যৌগিক), সাধু ও চলিত ভাষায় রপান্তর</p> <p>৬. অনুচ্ছেদ রচনা, পত্র রচনা</p>	
DECEMBER	19	<p>পুনরাবৃত্তি</p>	
<p>Internal Assessment (III-VII)/MOCK TEST -VIII, IX & XI/ SECOND PRE-BOARD (X & XII)</p> <p>** First week of January Internal Assessment (III-VII) Term II</p> <p>** LAST WEEK OF JANUARY-MOCK TEST</p> <p>** FIRST WEEK OF JANUARY – SECOND PRE BOARD</p>		<p>১. বোধ-পরীক্ষণ</p> <p>২. জ্ঞানচক্ষু, আলোবাবু, অদল বদল , বহুরূপী</p> <p>৩. তিন পাহাড়ের কোলে, আয় আরো বেঁধে বেঁধে থাকি, একাকারে, অস্ত্রের বিরুদ্ধে গান</p> <p>৪. গল্পগুচ্ছ : পোস্টমাস্টার, কাবুলিওয়ালা, দান প্রতিদান</p> <p>৫. ব্যঞ্জন সন্ধি ও বিসর্গ সন্ধি (সন্ধি বদ্ধ, সন্ধি বিচ্ছেদ), সমাস (দ্বন্দ্ব, কর্মধারয়, অব্যয়ীভাব), বাক্য পরিবর্তন (সরল, জটিল, যৌগিক), সাধু ও চলিত ভাষায় রপান্তর</p> <p>৬. অনুচ্ছেদ রচনা, পত্র রচনা</p>	
JANUARY	26	<p>পুনরাবৃত্তি</p>	

FEBRUARY	24	পুনরাবৃত্তি	
PORTION FOR PERIODIC TEST IV (PT IV) / ANNUAL EXAMINATION – III TO IX & XI :(Third week of February)			

NOTE: *Classes III- VIII, Internal Assessments and SEA need to be framed as per the guidelines of DAVCAE, DAVCMC.*

For classes IX and X, apart from SEA, the activities for multiple assessment need to be incorporated month wise.

For classes XI and XII, month wise split up of practical also need to be incorporated.

D.A.V. INSTITUTIONS, WEST BENGAL ZONE

SPLIT UP SYLLABUS FOR THE SESSION 2023-24

SUBJECT: ENGLISH

CLASS: X

MONTH	NO OF WORKING DAYS	Chapters and Content	Multiple Assessment /Practical
APRIL	22	<p>READING: Unseen Comprehension Passage</p> <p>LITERATURE</p> <p>FICTION:</p> <ul style="list-style-type: none">• Two Gentlemen of Verona• Mrs. Packletide's Tiger <p>POETRY:</p> <ul style="list-style-type: none">• The Frog and the Nightingale <p>MAIN COURSE BOOK Health & Medicine</p> <p>GRAMMAR- Tenses & Subject-verb Agreement</p> <p>WORK BOOK: -</p> <ul style="list-style-type: none">• UNIT 1- Determiners <p>WRITING</p> <ul style="list-style-type: none">• Formal Letters	<p>CREATIVE WRITING: Narrate an incident that impacted you during your recent trip and what values you derived from that incident.</p> <p>MAGAZINE WRITE-UP Based on your observation of the character of Mrs. Packletide which gives you the notion that vanity and excessive show off can never lead us to the pinnacle of success, write an Article for your School Magazine.</p>
MAY	12	<p>READING: Unseen Comprehension Passage</p> <p>LITERATURE</p> <p>FICTION:</p> <ul style="list-style-type: none">• The Letter <p>POETRY:</p> <ul style="list-style-type: none">• Not Marble, nor the Gilded Monuments <p>MAIN COURSE BOOK</p> <ul style="list-style-type: none">• Health & Medicine (to be continued) <p>GRAMMAR- Determiners</p> <p>WORK BOOK: -</p> <ul style="list-style-type: none">• UNIT 2- Tenses <p>WRITING</p> <ul style="list-style-type: none">• ARTICLE WRITING	<p>Research Project The children can be assigned to research and present on the historical context of the poem 'Not Marble Nor The Gilded Monuments', including the life and work of William Shakespeare and the socio political issues of his time. (Handbook with suitable illustrations and pictures)</p>

JUNE	15	<p>READING: Unseen Comprehension Passage</p> <p>LITERATURE:</p> <p>POETRY:</p> <ul style="list-style-type: none"> • Ozymandias <p>MAIN COURSE BOOK:</p> <ul style="list-style-type: none"> • Education <p>GRAMMAR – Modals</p> <p>WORK BOOK: UNIT 3 -Subject Verb Agreement</p> <p>WRITING – E-mail to school authorities (Application for leave / change of subject / change of subject / bus timings or similar topics)</p>	<p>Art Project: Students will create a visual representation [Painting] of the statue of Ozymandias based on their understanding of the poem.</p>
<p>PORTION FOR FIRST PERIODIC TEST **PT I (First week of July)</p>		<p>READING: Unseen Comprehension Passage</p> <p>LITERATURE:</p> <ul style="list-style-type: none"> • Two Gentlemen of Verona. (Prose) • Mrs. Packletide’s Tiger (Prose) • The Letter (Prose) • The Frog and the Nightingale (Poem) • Not Marble, nor the Gilded Monuments (Poem) <p>GRAMMAR- (Integrated Grammar) Tenses, Subject-verb Agreement, Determiners, Modals</p> <p>WRITING SKILLS:</p> <ul style="list-style-type: none"> • FORMAL LETTERS • ARTICLE WRITING • EMAIL TO SCHOOL AUTHORITIES (Application for leave / change of subject / change of subject / bus timings or similar topics) 	
JULY	25	<p>READING: Unseen Comprehension Passage</p>	<p>ROLE PLAY Prepare a script in your own language based on the play ‘The Dear Departed’ and enact it.</p>

		<p>LITERATURE: FICTION</p> <ul style="list-style-type: none"> • A Shady Plot <p>DRAMA</p> <ul style="list-style-type: none"> • The Dear Departed <p>MAIN COURSE BOOK:</p> <ul style="list-style-type: none"> • Science <p>GRAMMAR</p> <ul style="list-style-type: none"> • Reported Speech- Commands and requests <p>WORK BOOK: UNIT 4-Non- Finites, infinitives and Participles</p> <p>WRITING</p> <ul style="list-style-type: none"> • FORMAL LETTERS 	
SEA (IX-X) Term I ** (First week of August)		LISTENING & SPEAKING SKILLS	
AUGUST	25	<p>READING: Unseen Comprehension Passage</p> <p>LITERATURE: FICTION</p> <ul style="list-style-type: none"> • Patol Babu, Film Star <p>POETRY</p> <ul style="list-style-type: none"> • The Rime of the Ancient Mariner (Poem) <p>GRAMMAR: Reported Speech- Statements and Questions</p> <p>WORK BOOK: UNIT 5: Relatives UNIT 6: Connectors</p> <p>WRITING FORMAL LETTERS</p> <ul style="list-style-type: none"> • FACTUAL DESCRIPTION OF A PERSON/OBJECT 	<p>Group Discussion: Patol Babu, Film Star shows us the importance of pursuing one's passion and the role of the family in shaping a person's life.</p>

<p>PORTION FOR MID TERM ** (Third week of September)</p>	<p>READING: Unseen Comprehension Passage</p> <p>LITERATURE:</p> <ul style="list-style-type: none"> ● Two Gentlemen of Verona. (Prose) ● Mrs. Packletide’s Tiger (Prose) ● The Letter (Prose) ● A Shady Plot (Prose) ● The Frog and the Nightingale (Poem) ● Not Marble, nor the Gilded Monuments (Poem) ● Ozymandias (Poem) ● The Dear Departed (Drama) <p>GRAMMAR- Tenses, Subject-verb Agreement, Determiners, Modals, Reported Speech –Commands and requests, Statements and Questions</p> <p>WRITING SKILLS:</p> <ul style="list-style-type: none"> ● EMAIL TO SCHOOL AUTHORITIES (Application for leave / change of subject / change of subject / bus timings or similar topics) ● FACTUAL DESCRIPTION OF A PERSON/OBJECT ● FORMAL LETTER WRITING ● ARTICLE WRITING 		
<p>SEPTEMBER</p>	<p>25</p>	<p>READING: Unseen Comprehension Passage</p> <p>LITERATURE:</p> <p>POEM</p> <ul style="list-style-type: none"> ● Snake (Poem) <p>MAIN COURSE BOOK:</p> <ul style="list-style-type: none"> ● - Environment <p>GRAMMAR: Clauses (Noun, Adverb & Relative Clauses)</p> <p>WORK BOOK:</p> <p>UNIT 7: Conditionals</p> <p>UNIT 8: Comparisons</p> <p>WRITING</p> <ul style="list-style-type: none"> ● FORMAL LETTERS 	<p>Recently, you read an article which stated: “It is our duty to live in peaceful co- existence with our fellow creatures as we all are the creations of the Almighty.” Prepare a Power Point Presentation with at least five slides based on the above notion highlighting the need to show compassion towards other creatures.</p>
<p>OCTOBER</p>	<p>16</p>	<p>READING: Unseen Comprehension Passage</p> <p>LITERATURE</p>	<p>Art Integrated Project: Imagine that you have recently visited Kerala. Prepare a</p>

		<p>FICTION:</p> <ul style="list-style-type: none"> • Virtually True (Prose) <p>DRAMA</p> <p>Julius Caesar</p> <p>MAIN COURSE BOOK:</p> <ul style="list-style-type: none"> • Travel & Tourism <p>GRAMMAR- Revision</p> <p>WORK BOOK:</p> <p>UNIT 9: Avoiding Repetition- Substitution and Omission</p> <p>UNIT 10: Nominalisation (Integrated Grammar Practice)</p> <p>WRITING</p> <ul style="list-style-type: none"> • EMAIL (Revision) • ARTICLE WRITING(Revision) 	<p>Travel Brochure mentioning the historical significance or background of the places you have visited.</p>
NOVEMBER	22	<p>READING: Unseen Comprehension Passage</p> <p>LITERATURE</p> <p>DRAMA</p> <ul style="list-style-type: none"> • Julius Caesar <p>MAIN COURSE BOOK</p> <ul style="list-style-type: none"> • National Integration <p>GRAMMAR- Revision</p> <p>WORK BOOK:</p> <p>UNIT 11: Modals</p> <p>UNIT 12: Active and Passive</p> <p>UNIT 13: Reported Speech</p> <p>UNIT 14: Preposition</p> <p>WRITING</p> <ul style="list-style-type: none"> • FORMAL LETTER WRITING (Revision) • FACTUAL DESCRIPTION OF A PERSON/ OBJECT (Revision) 	<p>Speaking Skills:</p> <p>“India believes in peace and harmony; India lives by national integration. National integration brings energy through synergy. "Based on the given statement, compose a speech on national integration to be delivered in the morning assembly.</p>

PORTION FOR FIRST PRE BOARD: **Last week of November/First week of December		LITERATURE: <ul style="list-style-type: none"> ● A Shady Plot (Prose) ● Patol Babu (Prose) ● Virtually True (Prose) ● Ozymandias (Poem) ● The Rime of the Ancient Mariner (Poem) ● Snake (Poem) ● The Dear Departed (Drama) ● Julius Caesar (Drama) GRAMMAR- Full Syllabus WRITING SKILLS: <ul style="list-style-type: none"> ● EMAIL TO SCHOOL AUTHORITIES ● FACTUAL DESCRIPTION OF A PERSON/OBJECT ● FORMAL LETTER ● ARTICLE WRITING 	
DECEMBER	19	Revision and Sample paper solving	
** FIRST WEEK OF JANUARY – SECOND PRE-BOARD		FULL SYLLABUS	
JANUARY	26	Revision and Sample paper solving	
FEBRUARY	24	Revision and Sample paper solving	

D.A.V. INSTITUTIONS, WEST BENGAL ZONE.

SPLIT UP SYLLABUS FOR THE SESSION 2023-24

SUBJECT: HINDI

CLASS: X

MONTH	NO OF WORKING DAYS	Chapters and Content	Multiple Assessment / Practical
APRIL	22	<u>क्षितिज</u> : 1. पद (सूरदास) 2. राम-लक्ष्मण-परशुराम संवाद <u>लेखन</u> : 1. अनुच्छेद, 2. पत्र - औपचारिक + अनौपचारिक	1. पठित पद के आधार पर गोपियाँ, उद्धव और कृष्ण-तीनों पात्रों के विषय में 120 शब्दों में अनुच्छेद लिखिए। 2. राम-लक्ष्मण-परशुराम संवाद अध्याय के आधार पर तीनों पात्रों के विषय में 120 शब्दों में अनुच्छेद लिखिए।
MAY	12	<u>क्षितिज</u> : 7. नेताजी का चश्मा <u>व्याकरण</u> : 1. रचना के आधार पर वाक्य-भेद, 2. वाच्य, 4. अलंकार- (श्लेष, उत्प्रेक्षा, अतिशयोक्ति, मानवीकरण)	1. 'भारत को आज़ाद करवाने में आज़ाद हिंद फ़ौज की भूमिका' पर 120 शब्दों में अनुच्छेद लिखिए।
JUNE	15	<u>क्षितिज</u> : 3. आत्मकथ्य 4. उत्साह, अट नहीं रही है 8. बालगोबिन भगत <u>व्याकरण</u> : 4. अलंकार- (श्लेष, उत्प्रेक्षा, अतिशयोक्ति, मानवीकरण)	1. 'बिना ईमानदारी और साहस के आत्मकथा नहीं लिखी जा सकती'- विषय पर अपना विचार 120 शब्दों में लिखिए। 2. 'प्रकृति की रक्षा में ही हमारी रक्षा संभव है'- विषय पर 120 शब्दों में अनुच्छेद लिखिए। 3. अपने मित्र को पत्र लिखकर बालगोबिन भगत के व्यक्तित्व की विशेषताएँ 100 शब्दों में बताइए।
PORTION FOR FIRST PERIODIC TEST (PT I- III -XII): **PT I (First week of July)		<u>व्याकरण</u> : 1. रचना के आधार पर वाक्य-भेद, 2. वाच्य, 4. अलंकार- (श्लेष, उत्प्रेक्षा, अतिशयोक्ति, मानवीकरण) <u>क्षितिज</u> : 1. पद (सूरदास), 2. राम-लक्ष्मण-परशुराम संवाद, 3. आत्मकथ्य, 7. नेताजी का चश्मा, 8. बालगोबिन भगत	

		<u>लेखन</u> : 1. अनुच्छेद, 2. पत्र- औपचारिक + अनौपचारिक	
JULY	25	<u>क्षितिज</u> : 9. लखनवी अंदाज़ <u>कृतिका</u> : 1. माता का अँचल <u>व्याकरण</u> : 3. पद-परिचय <u>लेखन</u> : 3. स्ववृत-लेखन + ई-मेल-लेखन 4. विज्ञापन-लेखन + संदेश-लेखन	1. साहित्यिक परिचर्चा से संबंधित विज्ञापन लिखवाया जा सकता है। 2. 'बाल्यावस्था के धनलिप्सा ने मानवीय संवेदनाओं पर बरफ़ की चादर चढ़ा दी है।' - विषय पर 120 शब्दों में अनुच्छेद लिखिए।
Internal Assessment (III-VIII) SEA (IX-X) Term I ** (First week of August.)		श्रवण-कौशल के अंतर्गत अपनी मातृभाषा में समसामयिक विषयों पर आधारित कविता-वाचन एवं वाचन-कौशल के अंतर्गत पाठ्य पुस्तक में दिये गये उन अध्यायों का वाचन करवाना, जो पाठ्यक्रम में निर्धारित न हों।	
AUGUST	25	<u>कृतिका</u> : 2. साना-साना हाथ जोड़ि.. 1. अपठित गद्यांश, 2. अपठित काव्यांश पुनरावृत्ति	1. प्रकृति-संरक्षण से संबंधित विज्ञापन लिखवाया जा सकता है।
PORTION FOR PERIODIC TEST II/ HALF YEARLY EXAMS (III-XII): **PT II/HY (Third week of September)		<u>अपठित बोध</u> : 1. अपठित गद्यांश, 2. अपठित काव्यांश। <u>व्याकरण</u> : 1. वाक्य (रचना के आधार पर), 2. वाच्य, 3. पद- परिचय, 4. अलंकार- (श्लेष, उत्प्रेक्षा, अतिशयोक्ति, मानवीकरण)। <u>क्षितिज</u> : 1. पद (सूरदास), 2. राम-लक्ष्मण-परशुराम संवाद, 3. आत्मकथ्य, 4. उत्साह, अट नहीं रही है, 7. नेताजी का चश्मा, 8. बालगोबिन भगत, 9. लखनवी अंदाज़। <u>कृतिका</u> : 1. माता का अँचल, 2. साना-साना हाथ जोड़ि...। <u>लेखन</u> : 1. अनुच्छेद-लेखन, 2. पत्र-लेखन- औपचारिक + अनौपचारिक, 3. स्ववृत-लेखन+ ई-मेल-लेखन, 4. विज्ञापन-लेखन+संदेश-लेखन।	
SEPTEMBER	25	<u>क्षितिज</u> : 5. दंतुरित मुसकान, फ़सल 10. एक कहानी यह भी	1. 'उपभोक्तावादी-संस्कृति के दौर में फ़सल कविता हमें कृषि-संस्कृति के निकट ले जाती है'- विषय पर अपना विचार 120 शब्दों में लिखिए। 2. 'प्रस्तुत पाठ ही लेखिका की आत्मकथा है'- विषय पर अपना विचार 120 शब्दों में लिखिए।

OCTOBER	16	<p><u>क्षितिज</u> :</p> <p>6. संगतकार</p> <p>11. नौबतखाने में इबादत</p>	<p>1. आपके विद्यालय में मनाये जाने वाले सांस्कृतिक समारोह में मंच के पीछे काम करने वाले सहयोगियों की भूमिका पर 120 शब्दों में अनुच्छेद लिखिए।</p> <p>2. प्रस्तुत पाठ में काशी के विषय में जानकारी प्राप्त हुई है। इसी प्रकार अपने शहर की विशेषता के बारे में बताते हुए 100 शब्दों में अपने मित्र को पत्र लिखिए।</p>
NOVEMBER	22	<p><u>क्षितिज</u> : 12. संस्कृति</p> <p><u>कृतिका</u> : 3. मैं क्यों लिखता हूँ?</p>	<p>1. 'भारतीय सभ्यता एवं संस्कृति' पर 120 शब्दों में अनुच्छेद लिखिए।</p> <p>2. 'परमाणु खतरे में साँस लेती दुनिया' विषय पर 120 शब्दों में अनुच्छेद लिखिए।</p>
<p>PORTION FOR THIRD PERIODIC TEST(PT-III; III-IX, XI) / FIRST PRE BOARD (X & XII) :</p> <p>**Last week of November/First week of December</p>		<p>मध्य सत्र और उत्तर मध्य सत्र में पढ़ाये गये समस्त पाठ्यक्रम</p>	
DECEMBER	19	पुनरावृत्ति	
<p>Internal Assessment (III-VII)/MOCK TEST -VIII, IX & XI/ SECOND PRE-BOARD (X & XII)</p> <p>** First week of January Internal Assessment (III-VII) Term II</p> <p>** LAST WEEK OF JANUARY-MOCK TEST</p> <p>** FIRST WEEK OF JANUARY – SECOND PRE BOARD</p>		<p>मध्य सत्र और उत्तर मध्य सत्र में पढ़ाये गये समस्त पाठ्यक्रम</p>	

JANUARY	26	पुनरावृत्ति	
FEBRUARY	24	पुनरावृत्ति	
PORTION FOR PERIODIC TEST IV (PT IV) / ANNUAL EXAMINATION – III TO IX & XI :(Third week of February)			

NOTE: *Classes III- VIII, Internal Assessments and SEA need to be framed as per the guidelines of DAVCAE, DAVCMC.*

For classes IX and X, apart from SEA, the activities for multiple assessment need to be incorporated month wise.

For classes XI and XII, month wise split up of practical also need to be incorporated.

D.A.V. INSTITUTIONS, WEST BENGAL ZONE
SPLIT UP SYLLABUS FOR THE SESSION 2023-24

SUBJECT: Information Technology (402)

CLASS: X

MONTH	NO OF WORKING DAYS	Chapters and Content	Multiple Assessment/Practical
APRIL	22	<p>(PART –A) <u>EMPLOYABILITY SKILLS:</u> Unit 1 : Communication Skills-II Unit 2 : Self-Management Skills-II</p> <p>(PART –B) <u>Subject Specific Skills: -</u> Unit 1: Digital Documentation (Advanced) (cont.)</p>	Practicals on Digital Documentation (Advanced)
MAY	12	<p>(PART –A) <u>EMPLOYABILITY SKILLS:</u> Unit 3 : Information and Communication Technology Skills-II</p> <p>(PART –B) <u>Subject Specific Skills: -</u> Unit 1: Digital Documentation (Advanced) (TILL COMPELTION)</p>	Practicals on Digital Documentation (Advanced)
JUNE	15	<p>(PART –B) <u>Subject Specific Skills: -</u> Unit 2: Electronic Spreadsheet (Advanced) (up to subtotal)</p>	Practicals on Electronic Spreadsheet (Advanced)
JULY	25	<p>(PART –B) <u>Subject Specific Skills: -</u> Unit 2: Electronic Spreadsheet (Advanced) (TILL COMPELTION)</p>	Practicals on Electronic Spreadsheet (Advanced)
AUGUST	25	<p>(PART –A) <u>EMPLOYABILITY SKILLS:</u> Unit 4 : Entrepreneurial Skills-II</p> <p>(PART –B) <u>Subject Specific Skills: -</u> Unit 3: Database Management System</p> <ul style="list-style-type: none"> • Appreciate the concept of Database Management System <p>(cont.)</p>	Practicals on Database Management System
MID TERM (Third week of September)		<p>(PART –A) <u>EMPLOYABILITY SKILLS:</u> Unit 2 : Self-Management Skills-II Unit 3 : Information and Communication Technology skills II Unit 4 : Entrepreneurial Skills-II</p> <p>(PART –B) <u>Subject Specific Skills: -</u> Unit 1: Digital Documentation (Advanced) Unit 2: Electronic Spreadsheet (Advanced)</p>	
SEPTEMBER	25	<p>(PART –B) <u>Subject Specific Skills: -</u> Unit 3: Database Management System</p> <ul style="list-style-type: none"> • Create and edit tables using wizard and SQL commands • Perform operations on table • Retrieve data using query <p>(cont.)</p>	Practicals on Database Management System

OCTOBER	16	(PART –A) <u>EMPLOYABILITY SKILLS:</u> Unit 5 : Green Skills-II (PART –B) <u>Subject Specific Skills: -</u> Unit 3: Database Management System <ul style="list-style-type: none"> • Create Forms and Reports using wizard (completion) 	Practicals on Database Management System
NOVEMBER	22	(PART –B) <u>Subject Specific Skills: -</u> Unit 4: Web Applications And Security & Revision	Practicals on Database Management System
FIRST PRE-BOARD (X): **Last week of November/First week of December		FULL SYLLABUS	
DECEMBER	19	Revision	Revision
SECOND PRE-BOARD (X)		FULL SYLLABUS	
JANUARY	26	Revision	Revision
FEBRUARY	24		

DAV INSTITUTIONS, WEST BENGAL ZONE

SPLIT UP SYLLABUS FOR THE SESSION 2023-24

SUBJECT: MATHEMATICS

CLASS: X

MONTH	NO OF WORKING DAYS	Chapters and Content	Multiple Assessment/Practical
APRIL	22	1. Real Numbers 2. Polynomials	To draw the graph of a quadratic polynomial and observe the zeroes of the polynomials
MAY	12	3. Pair of Linear Equation in Two Variables 6. Triangles	To verify the conditions of consistency/ inconsistency for a pair of linear equations in two variables by graphical method.
JUNE	15	6. Triangles (contd.) 8. Introduction to Trigonometry	
PORTION FOR FIRST PERIODIC TEST (PT-I): **PT I (First week of July)		<ul style="list-style-type: none"> ● Real Numbers ● Polynomials ● Pair of Linear Equation in Two Variables ● Introduction to Trigonometry 	
JULY	25	8. Introduction to Trigonometry (contd.) 7. Co-ordinate Geometry 15. Probability	
SEA Term I: ** (First week of August)		To verify the conditions of consistency/ inconsistency for a pair of linear equations in two variables by graphical method.	
AUGUST	25	4. Quadratic Equations 5. Arithmetic Progression 12. Areas Related to Circles	To find the sum of first n natural numbers by graphical method.
MID TERM EXAMINATIONS : ** MID TERM EXAMINATIONS (Third week of September)		<ul style="list-style-type: none"> ● Real Numbers ● Polynomials ● Pair of Linear Equation in Two Variables ● Triangles ● Introduction to Trigonometry ● Co-ordinate Geometry ● Probability 	
SEPTEMBER	25	10. Circles	To verify that the lengths of tangents to a circle from some external point are equal.
OCTOBER	16	13. Surface Areas and Volumes	
NOVEMBER	22	9. Applications of Trigonometry 14. Statistics	To find the height of a building using a clinometers.

PORTION FOR FIRST PRE-BOARD : **Last week of November/First week of December		Full Syllabus
DECEMBER	19	Revision
SECOND PRE BOARD : ** FIRST WEEK OF JANUARY		Full Syllabus
JANUARY	26	Revision
FEBRUARY	24	Revision

NOTE: *For class X, apart from SEA, the activities for multiple assessments need to be incorporated month wise.*

D.A.V. INSTITUTIONS, WEST BENGAL ZONE.

SPLIT UP SYLLABUS FOR THE SESSION 2023-24

SUBJECT: SANSKRIT (119)

CLASS: X

MONTH	No of working days	Chapters and Content	Multiple Assessment
APRIL	22	<p>* मणिका - प्रथमः पाठः - वाङ्मयं तपः</p> <p>* व्याकरणखण्डम्- सन्धिः -</p> <p>➤ स्वरसन्धिः - वृद्धिः, यण्, अयादिः, पूर्वरूपम्</p> <p>➤ व्यञ्जनसन्धिः - परसवर्णः (अनुस्वारस्थाने पञ्चमवर्णस्य प्रयोगः), तुगागमः, वर्गीयप्रथमवर्णस्य तृतीयवर्णे परिवर्तनम् ।</p> <p>➤ विसर्गसन्धिः - विसर्गस्य उत्त्वम्, रत्वम्, विसर्गलोपः, विसर्गस्य स्थाने स, श, ष् ।</p> <p>समासः - (वाक्येषु समस्तपदानां विग्रहः विग्रहपदानां च समासः)</p> <p>➤ तत्पुरुषः - विभक्तिः, नञ्, उपपदः</p> <p>➤ द्वन्द्वः</p>	भाषा-संवर्धन-गतिविधिः (श्रवण-भाषण-लेखन- कौशलम्) पद्यवाचनम्- (पङ्क्तिद्वयम् केवलम्)
MAY	12	<p>* मणिका - द्वितीयः पाठः - नास्ति त्यागसमं सुखम्</p> <p>* व्याकरणखण्डम् -</p> <p>समासः - वाक्येषु समस्तपदानां विग्रहः विग्रहपदानां च समासः</p> <p>➤ अव्ययीभावः (अनु, उप, सह, निर्, प्रति, यथा)</p>	भाषा-संवर्धन-गतिविधिः (व्याकरणाधारितम्)
JUNE	15	<p>* मणिका - तृतीयः पाठः - रमणीया हि सृष्टिः एषा</p> <p>प्रत्ययाः -</p> <p>➤ तद्धित-प्रत्ययाः - ठक्, मतुप्, त्व, तल्</p> <p>➤ स्त्री-प्रत्ययौ - टाप्, डीप्</p> <p>* अपठित-अवबोधनम्</p>	भाषा-संवर्धन-गतिविधिः (साहित्याधारितम्)
PORTION FOR FIRST PERIODIC TEST : ** (First week of July)		<p>* अपठित-अवबोधनम्</p> <p>* व्याकरणखण्डम् - सन्धिः -</p> <p>➤ स्वरसन्धिः - वृद्धिः, यण्, अयादिः, पूर्वरूपम्</p>	

		<p>➤ व्यञ्जनसन्धिः - परसवर्णः (अनुस्वारस्थाने पञ्चमवर्णस्य प्रयोगः), तुगागमः, वर्गीयप्रथमवर्णस्य तृतीयवर्णे परिवर्तनम् ।</p> <p>➤ विसर्गसन्धिः - विसर्गस्य उत्त्वम्, रत्वम्, विसर्गलोपः, विसर्गस्य स्थाने स, श, ष्</p> <p>समासः - वाक्येषु समस्तपदानां विग्रहः विग्रहपदानां च समासः</p> <p>➤ तत्पुरुषः - विभक्तिः, नञ्, उपपदः</p> <p>➤ द्वन्द्वः</p> <p>➤ अव्ययीभावः (अनु, उप, सह, निर्, प्रति, यथा)</p> <p>प्रत्ययाः -</p> <p>➤ तद्धित-प्रत्ययाः - ठक्, मतुप्, त्व, तल्</p> <p>➤ स्त्री-प्रत्ययौ - टाप्, डीप्</p> <p>मणिका - प्रथमः पाठः - वाङ्मयं तपः द्वितीयः पाठः - नास्ति त्यागसमं सुखम् तृतीयः पाठः - रमणीया हि सृष्टिः एषा</p>	
JULY	25	<p>* मणिका - चतुर्थः पाठः - आज्ञा गुरुणां हि अविचारणीया</p> <p>* व्याकरणखण्डम् =</p> <p>➤ वाच्यम् - केवलं लट्-लकारे (कर्तृ-कर्म-क्रिया)</p> <p>➤ समयः - अङ्कानां स्थाने शब्देषु समयलेखनम् (सामान्य-सपाद-सार्ध-पादोन)</p> <p>* अव्ययपदानि - इव, उच्चैः, एव, नूनम्, इतस्ततः, विना, सहसा, वृथा, शनैः, इति, मा, यत्, सम्प्रति, इदानीम्, अधुना, यावत्, बहिः, कदापि, च, अपि, पुरा, अत्र-तत्र, यथा-तथा, कदा, श्वः, ह्यः, किमर्थम्, कुत्र</p> <p>* अशुद्धि-संशोधनम् - (वचन-लिङ्ग-पुरुष-लकार-दृष्ट्या संशोधनम्)</p> <p>* रचनात्मक-कार्यम् = पत्रलेखनम् (सङ्केताधारितम् औपचारिकम् अथवा अनौपचारिकं पत्रलेखनम्)</p>	भाषा-संवर्धन-गतिविधिः (साहित्याधारितम्)
SEA for Mid Term ** (First week of August.)		भाषा-संवर्धन-गतिविधिः (श्रवण-भाषण-लेखन-कौशलम्) (साहित्याधारितम् व्याकरणाधारितम् च)	
AUGUST	25	<p>* मणिका -</p> <p>पञ्चमः पाठः - अभ्यासवशगं मनः</p> <p>षष्ठः पाठः - राष्ट्रं संरक्ष्यमेव हि</p> <p>* रचनात्मक-कार्यम् -</p> <p>➤ चित्राधारितं वर्णनम् अथवा अनुच्छेदलेखनम्</p>	भाषा-संवर्धन-गतिविधिः (गणशः श्लोकोच्चारणम्)

	<p>➤ संवादपूर्ति:/कथापूर्ति: (कथा छात्रस्तरानुगुणम् पूर्णः संवादः/कथा लेखनीया)</p>	
<p>PORTION FOR MID TERM : (Third week of September)</p>	<p>* <u>अपठित-अवबोधनम्</u> * <u>रचनात्मककार्यम्</u> -</p> <ul style="list-style-type: none"> ➤ सङ्केताधारितम् औपचारिकम् अथवा अनौपचारिकं पत्रलेखनम् ➤ चित्राधारितं वर्णनम् अथवा अनुच्छेदलेखनम् ➤ संवादपूर्ति:/कथापूर्ति: (कथा छात्रस्तरानुगुणम् पूर्णः संवादः/कथा लेखनीया) <p>* <u>व्याकरणखण्डम्</u> - * <u>सन्धिः</u> -</p> <ul style="list-style-type: none"> ➤ <u>स्वरसन्धिः</u> - वृद्धिः, यण्, अयादिः, पूर्वरूपम् ➤ <u>व्यञ्जनसन्धिः</u> - परसवर्णः (अनुस्वारस्थाने पञ्चमवर्णस्य प्रयोगः), तुगागमः, वर्गीयप्रथमवर्णस्य तृतीयवर्णं परिवर्तनम् । ➤ <u>विसर्गसन्धिः</u> - विसर्गस्य उत्त्वम्, रत्वम्, विसर्गलोपः, विसर्गस्य स्थाने स, श, ष् <p>* <u>समासः</u> - वाक्येषु समस्तपदानां विग्रहः विग्रहपदानां च समासः</p> <ul style="list-style-type: none"> ➤ तत्पुरुषः - विभक्तिः, नञ्, उपपदः ➤ द्वन्द्वः ➤ अव्ययीभावः (अनु, उप, सह, निर्, प्रति, यथा <p>* <u>प्रत्ययाः</u> -</p> <ul style="list-style-type: none"> ➤ तद्धिताः - ठक्, मतुप्, त्व, तल् ➤ स्त्री-प्रत्ययौ - टाप्, डीप् <p>* <u>वाच्यम्</u> - केवलं लट्-लकारे (कर्तृ-कर्म-क्रिया) * <u>समयः</u> - अङ्कानां स्थाने शब्देषु समयलेखनम् (सामान्य-सपाद-सार्ध-पादोन) * <u>अव्ययपदानि</u> - इव, उच्चैः, एव, नूनम्, इतस्ततः, विना, सहसा, वृथा, शनैः, इति, मा, यत्, सम्प्रति, इदानीम्, अधुना, यावत्, बहिः, कदापि, च, अपि, पुरा, अत्र-तत्र, यथा-तथा, कदा, श्वः, हयः, किमर्थम्, कुत्र * <u>अशुद्धि-संशोधनम्</u> = (वचन-लिङ्ग-पुरुष-लकार-दृष्ट्या संशोधनम्) * <u>मणिका</u> - प्रथमः पाठः - वाङ्मयं तपः द्वितीयः पाठः - नास्ति त्यागसमं सुखम् तृतीयः पाठः - रमणीया हि सृष्टिः एषा चतुर्थः पाठः - आज्ञा गुरुणां हि अविचारणीया पञ्चमः पाठः - अभ्यासवशगं मनः</p>	

SEPTEMBER	25	<p>* मणिका - <u>सप्तमः पाठः</u> - साधुवृत्तिं समाचरेत् <u>अष्टमः पाठः</u> - तिरुक्कुरल्-सूक्ति-सौरभम् * व्याकरणखण्डम् - पुनरावृत्तिकार्यम् आदर्शप्रश्नपत्राणाम् अभ्यासः च * रचनात्मक-कार्यम् - संवादपूर्तिः/कथापूर्तिः (कथा छात्रस्तरानुगुणम् पूर्णः संवादः/कथा लेखनीया)</p>	भाषा-संवर्धन-गतिविधिः (कक्षायां नाट्यानुगुणं नाट्याभिनयः/स्वेच्छया अन्यत् किमपि)
OCTOBER	16	<p>* मणिका - <u>नवमः पाठः</u> - सुस्वागतं भो! अरुणाचलेऽस्मिन् पुनरावृत्तिकार्यम् (व्याकरणम् रचनात्मककार्यम् च)</p>	भाषा-संवर्धन-गतिविधिः (स्वेच्छानुसारम्)
NOVEMBER	22	<p>* मणिका - <u>दशमः पाठः</u> - कालोऽहम् (केवलम् आन्तरिकमूल्याङ्कनाय) <u>एकादशः पाठः</u> - किं किम् उपादेयम् (केवलम् आन्तरिकमूल्याङ्कनाय) पुनरावृत्तिकार्यम् (व्याकरणम् रचनात्मककार्यम् च)</p>	भाषा-संवर्धन-गतिविधिः (स्वेच्छानुसारम्)
PORTION FOR FIRST PRE BOARD : **Last week of November/First week of December		<p>* <u>अपठित-अवबोधनम्</u> * <u>रचनात्मककार्यम्</u> =</p> <ul style="list-style-type: none"> • सङ्केताधारितम् औपचारिकम् अथवा अनौपचारिकं पत्रलेखनम्। • चित्राधारितं वर्णनम् अथवा अनुच्छेदलेखनम्। • संवादपूर्तिः/कथापूर्तिः (कथा छात्रस्तरानुगुणम् पूर्णः संवादः/कथा लेखनीया) • <u>व्याकरणखण्डम्</u> - <p>* <u>सन्धिः</u> -</p> <ul style="list-style-type: none"> ➤ स्वरसन्धिः वृद्धिः, यण्, अयादिः, पूर्वरूपम् ➤ व्यञ्जनसन्धिः - परसवर्णः (अनुस्वारस्थाने पञ्चमवर्णस्य प्रयोगः) तुगागमः वर्गीयप्रथमवर्णस्य तृतीयवर्णे परिवर्तनम् । ➤ विसर्गसन्धिः - विसर्गस्य उत्त्वम्, रत्वम्, विसर्गलोपः, विसर्गस्य स्थाने स्, श्, ष् । <p>* <u>समासः</u> - (वाक्येषु समस्तपदानां विग्रहः विग्रहपदानां च समासः)</p> <ul style="list-style-type: none"> ➤ तत्पुरुषः - विभक्तिः, नञ्, उपपदः ➤ द्वन्द्वः ➤ अव्ययीभावः (अनु, उप, सह, निर्, प्रति, यथा) <p>* <u>प्रत्ययाः</u> -</p> <ul style="list-style-type: none"> ➤ तद्धित-प्रत्ययाः - ठक्, मतुप्, त्व, तल् । 	

➤ स्त्री-प्रत्ययौ - टाप्, डीप् ।

* वाच्यम् - केवलं लट्-लकारे (कर्तृ-कर्म-क्रिया)

* समयः- अङ्कानां स्थाने शब्देषु समयलेखनम् (सामान्य-सपाद-सार्ध-पादोन)

* अव्ययपदानि - इव, उच्चैः, एव, नूनम्, इतस्ततः, विना, सहसा, वृथा, शनैः, इति, मा, यत्, सम्प्रति, इदानीम्, अधुना, यावत्, बहिः, कदापि, च, अपि, पुरा, अत्र-तत्र, यथा-तथा, कदा, श्वः, ह्यः, किमर्थम्, कुत्र

* अशुद्धि-संशोधनम् = (वचन-लिङ्ग-पुरुष-लकार-दृष्ट्या संशोधनम्)

* मणिका - प्रथमः पाठः - वाङ्मयं तपः

द्वितीयः पाठः - नास्ति त्यागसमं सुखम्

तृतीयः पाठः - रमणीया हि सृष्टिः एषा

चतुर्थः पाठः - आज्ञा गुरुणां हि अविचारणीया

पञ्चमः पाठः - अभ्यासवशगं मनः

षष्ठः पाठः - राष्ट्रं संरक्ष्यमेव हि

सप्तमः पाठः - साधुवृत्तिं समाचरेत्

अष्टमः पाठः - तिरुक्कुरल्-सूक्ति-सौरभम्

नवमः पाठः - सुस्वागतं भो! अरुणाचलेऽस्मिन्

DECEMBER

19

पुनरावृत्तिकार्यम् (साहित्यम् व्याकरणम्
रचनात्मककार्यम् च)

SECOND PRE-BOARD
** First week of January

* अपठित-अवबोधनम्

* रचनात्मककार्यम् =

- सङ्केताधारितम् औपचारिकम् अथवा अनौपचारिकं पत्रलेखनम्।
- चित्राधारितं वर्णनम् अथवा अनुच्छेदलेखनम्।
- संवादपूर्तिः/कथापूर्तिः (कथा छात्रस्तरानुगुणम् पूर्णः संवादः/कथा लेखनीया)
- व्याकरणखण्डम् -

* सन्धिः -

➤ स्वरसन्धिः वृद्धिः, यण्, अयादिः, पूर्वरूपम्

➤ व्यञ्जनसन्धिः -

परसवर्णः (अनुस्वारस्थाने पञ्चमवर्णस्य प्रयोगः),

तुगागमः,

वर्गीयप्रथमवर्णस्य तृतीयवर्णे परिवर्तनम् ।

➤ विसर्गसन्धिः - विसर्गस्य उत्त्वम्, रत्वम्, विसर्गलोपः, विसर्गस्य स्थाने स्, श्, ष् ।

* समासः - (वाक्येषु समस्तपदानां विग्रहः विग्रहपदानां च समासः)

➤ तत्पुरुषः - विभक्तिः, नञ्, उपपदः

➤ द्वन्द्वः

➤ अव्ययीभावः (अनु, उप, सह, निर्, प्रति, यथा)

		<p>*<u>प्रत्ययाः</u> -</p> <p>➤ तद्धित-प्रत्ययाः - ठक्, मतुप्, त्व, तल् ।</p> <p>➤ स्त्री-प्रत्ययौ - टाप्, डीप् ।</p> <p>* <u>वाच्यम्</u> - केवलं लट्-लकारे (कर्तृ-कर्म-क्रिया)</p> <p>* <u>समयः</u>:- अङ्कानां स्थाने शब्देषु समयलेखनम् (सामान्य-सपाद-सार्ध-पादोन)</p> <p>* <u>अव्ययपदानि</u> - इव, उच्चैः, एव, नूनम्, इतस्ततः, विना, सहसा, वृथा, शनैः, इति, मा, यत्, सम्प्रति, इदानीम्, अधुना, यावत्, बहिः, कदापि, च, अपि, पुरा, अत्र-तत्र, यथा-तथा, कदा, श्वः, ह्यः, किमर्थम्, कुत्र</p> <p>* <u>अशुद्धि-संशोधनम्</u> = (वचन-लिङ्ग-पुरुष-लकार-दृष्ट्या संशोधनम्)</p> <p>* <u>मणिका</u> - प्रथमः पाठः - वाङ्मयं तपः द्वितीयः पाठः - नास्ति त्यागसमं सुखम् तृतीयः पाठः - रमणीया हि सृष्टिः एषा चतुर्थः पाठः - आज्ञा गुरुणां हि अविचारणीया पञ्चमः पाठः - अभ्यासवशगं मनः षष्ठः पाठः - राष्ट्रं संरक्ष्यमेव हि सप्तमः पाठः - साधुवृत्तिं समाचरेत् अष्टमः पाठः - तिरुक्कुरल्-सूक्ति-सौरभम् नवमः पाठः - सुस्वागतं भो! अरुणाचलेऽस्मिन्</p>	
JANUARY	26	पुनरावृत्तिकार्यम्	
FEBRUARY	24	पुनरावृत्तिकार्यम्	

D.A.V. INSTITUTIONS, WEST BENGAL ZONE.
SPLIT UP SYLLABUS FOR THE SESSION 2023-24
SUBJECT: SCIENCE **CLASS: X**

MONTH	NO OF WORKING DAYS	Chapters and Content	Multiple Assessment/Practical
APRIL	22	<p>PHYSICS <u>CHAPTER 9: LIGHT-REFLECTION AND REFRACTION</u> Reflection of light by curved surfaces; Images formed by spherical mirrors, centre of curvature, principal axis, principal focus, focal length, mirror formula (Derivation not required), magnification. Refraction; Laws of refraction, refractive index. Refraction of light by spherical lens.</p> <p>CHEMISTRY <u>CHAPTER 1: CHEMICAL REACTIONS AND EQUATIONS</u> Chemical equation, balanced chemical equation, implications of a balanced chemical equation, types of chemical reactions: Combination, Decomposition, Displacement, Double Displacement, Oxidation and Reduction reactions Effects of Oxidation reactions in everyday life</p> <p>BIOLOGY <u>CHAPTER 5: LIFE PROCESSES</u> Nutrition, Nutrition in Plants, Nutrition in animals (Amoeba and Human), Respiration in Plants and Human</p>	<ol style="list-style-type: none"> 1. Determination of the focal length of i) Concave mirror ii) Convex lens by obtaining the image of a distant object. 2. Performing and observing the following reactions and classifying them into: <ol style="list-style-type: none"> A. Combination reaction B. Decomposition reaction C. Displacement reaction D. Double displacement reaction (i) Action of water on quick lime (ii) Action of heat on ferrous sulphate crystals (iii) Iron nails kept in copper sulphate solution (iv) Reaction between sodium sulphate and barium chloride solutions .. 3. Preparing a temporary mount of a leaf peel to show stomata.
MAY	12	<p>PHYSICS <u>CHAPTER 9: LIGHT-REFLECTION AND REFRACTION</u> Image formed by spherical lenses; Lens formula (Derivation not required); Magnification. Power of a lens. Applications of spherical mirrors and lenses.</p> <p>CHEMISTRY <u>CHAPTER 2: ACIDS, BASES AND SALTS</u> Definition of acids and bases in terms of furnishing Hydrogen and Hydroxyl ions, general properties, examples and uses, concept of pH scale.</p>	<ol style="list-style-type: none"> 1. Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result. 2. Finding the pH of the following samples by using pH paper/universal indicator: (i) Dilute Hydrochloric acid (ii) Dilute NaOH solution (iii) Dilute

		BIOLOGY CHAPTER 5: LIFE PROCESSES Transportation	Ethanoic acid solution (iv)Lemon juice (v)Water (vi)Dilute Sodium Hydrogen Carbonate solution 3.Preparing a temporary mount of a leaf peel to show stomata.
JUNE	15	PHYSICS CHAPTER 10:THE HUMAN EYE AND THE COLOURFUL WORLD Functioning of a lens in human eye, defects of vision and their corrections, Refraction of light through a prism, dispersion of light, scattering of light, applications in daily life (excluding colour of the sun at sunrise and sunset). CHEMISTRY CHAPTER 2: ACIDS,BASES AND SALTS Importance of pH in everyday life,preparation and uses of Sodium Hydroxide,Bleaching powder,Baking soda,Washing soda and Plaster of Paris. BIOLOGY CHAPTER 5: LIFE PROCESSES Excretion	1.Tracing the path of the rays of light through a glass prism. 2.Finding the pH of the following samples by using pH paper/universal indicator:(i)Dilute Hydrochloric acid (ii)Dilute NaOH solution (iii)Dilute Ethanoic acid solution (iv)Lemon juice (v)Water (vi)Dilute Sodium Hydrogen Carbonate solution 3. Experimentally show that carbon dioxide is given out during respiration
PORTION FOR FIRST PERIODIC TEST: (First week of July)		CHAPTER 1:CHEMICAL REACTIONS AND EQUATIONS CHAPTER 5: LIFE PROCESSES (Nutrition and Respiration) CHAPTER 9: LIGHT- REFLECTION AND REFRACTION	
JULY	25	PHYSICS CHAPTER 11:ELECTRICITY Electric current, potential difference and electric current. Ohm's law; Resistance, Resistivity, Factors on which the resistance of a conductor depends. Series combination of resistors, parallel combination of resistors and its applications in daily life. CHEMISTRY CHAPTER 3:METALS AND NON- METALS Properties of metals and non- metals,Reactivity Series BIOLOGY CHAPTER 6: CONTROL AND COORDINATION Tropic movements in plants; Introduction	1.Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plotting a graph between V and I. 2.Studying the properties of acids and bases (HCl & NaOH) on the basis of their reaction with: (a)Litmus solution(Blue/Red) (b)Zinc metal (c)Solid Sodium Carbonate 3.Experimentally show that carbon dioxide is given out during respiration

		of plant hormones; Control and co-ordination in animals: Nervous system; Voluntary, involuntary and reflex action; Chemical co-ordination: animal hormones.	
SEA-1 (First week of August)		Hands on practicals covered upto July.	
AUGUST	25	<p>PHYSICS <u>CHAPTER 11: ELECTRICITY</u> Heating effect of electric current and its applications in daily life. Electric power, Interrelation between P, V, I and R.</p> <p><u>CHAPTER 12: MAGNETIC EFFECTS OF ELECTRIC CURRENT</u> Magnetic field, field lines, field due to a current carrying conductor, field due to current carrying coil or solenoid;</p> <p>CHEMISTRY CHAPTER 3: METALS AND NON-METALS Formation and properties of Ionic compounds, Basic metallurgical processes, Corrosion and its prevention</p> <p>BIOLOGY CHAPTER 13: OUR ENVIRONMENT Eco-system, Environmental problems, Ozone depletion, waste production and their solutions. Biodegradable and non-biodegradable substances.</p>	<p>1. Determination of the equivalent resistance of two resistors when connected in series and parallel.</p> <p>2. Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions: (i) Zinc sulphate solution (ii) Ferrous sulphate solution (iii) Copper sulphate solution (iv) Aluminium sulphate solution And arranging Zn, Fe, Cu and Al metals in the decreasing order of reactivity based on the above result.</p> <p>3. Experimentally show that carbon dioxide is given out during respiration.</p>
PORTION FOR MID-TERM: (Third week of September)		<p>CHAPTER 1: CHEMICAL REACTIONS AND EQUATIONS CHAPTER 2: ACIDS, BASES AND SALTS CHAPTER 5: LIFE PROCESSES CHAPTER 6: CONTROL AND COORDINATION CHAPTER 9: LIGHT- REFLECTION AND REFRACTION CHAPTER 10: THE HUMAN EYE AND THE COLOURFUL WORLD CHAPTER 13: OUR ENVIRONMENT</p>	
SEPTEMBER	25	<p>PHYSICS <u>CHAPTER 12: MAGNETIC EFFECTS OF ELECTRIC CURRENT</u> Force on current carrying conductor, Fleming's Left Hand Rule</p>	<p>1. Study the following properties of acetic acid (ethanoic acid): (i) odour (ii) solubility in water (iii) effect on litmus</p>

		<p>CHEMISTRY CHAPTER 4: CARBON AND ITS COMPOUNDS Covalent bonding in carbon compounds, versatile nature of carbon, Homologous series.</p> <p>BIOLOGY CHAPTER 7: HOW DO ORGANISMS REPRODUCE? Basic concepts of reproduction, DNA copying variations, Asexual reproduction and its types.</p>	<p>(iv) reaction with Sodium Hydrogen Carbonate 2.(ii) Studying (a) binary fission in Amoeba, and (b) budding in yeast and Hydra with the help of prepared slides.</p>
OCTOBER	16	<p>PHYSICS CHAPTER 12: MAGNETIC EFFECTS OF ELECTRIC CURRENT Direct current. Alternating current: frequency of AC. Advantage of AC over DC. Domestic electric circuits</p> <p>CHEMISTRY CHAPTER 4: CARBON AND ITS COMPOUNDS Nomenclature of carbon compounds containing functional group (halogens, alcohol, ketones, aldehydes, alkanes and alkynes), difference between saturated hydrocarbons and unsaturated hydrocarbons. Chemical properties of carbon compounds (Combustion, Oxidation, Addition and Substitution reaction) Ethanol and Ethanoic acid (only properties and uses), Soaps and Detergents.</p> <p>BIOLOGY CHAPTER 7: HOW DO ORGANISMS REPRODUCE? Reproduction in animals and plants (sexual) reproductive health - need and methods of family planning. Safe sex vs HIV/AIDS. Child bearing and women's health.</p> <p>CHAPTER 8: HEREDITY Heredity, Inheritance, its types, variations</p>	<p>1. Study of the comparative cleaning capacity of a sample of soap in soft and hard water</p> <p>2. Studying (a) binary fission in Amoeba, and (b) budding in yeast and Hydra with the help of prepared slides.</p>
NOVEMBER	22	<p>BIOLOGY CHAPTER 8: HEREDITY Mendel's contribution- Laws for inheritance of traits: Sex determination:</p>	<p>Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean).</p>

PORTION FOR FIRST PRE- BOARD: Last week of November/First week of December		CHAPTER 2: ACIDS, BASES AND SALTS CHAPTER 3: METALS AND NON-METALS CHAPTER 4: CARBON AND ITS COMPOUNDS CHAPTER 6: CONTROL AND COORDINATION CHAPTER 7: HOW DO ORGANISMS REPRODUCE? CHAPTER 8: HEREDITY CHAPTER 9: LIGHT- REFLECTION AND REFRACTION CHAPTER 11: ELECTRICITY CHAPTER 12: MAGNETIC EFFECTS OF ELECTRIC CURRENT CHAPTER 13: OUR ENVIRONMENT	
DECEMBER	19	REVISION	
SEA-2 (Third week of December)		Hands on practicals covered upto November.	
PORTION FOR SECOND PRE- BOARD: First week of January		CHAPTER 1: CHEMICAL REACTIONS AND EQUATIONS CHAPTER 2: ACIDS, BASES AND SALTS CHAPTER 3: METALS AND NON-METALS CHAPTER 4: CARBON AND ITS COMPOUNDS CHAPTER 5: LIFE PROCESSES CHAPTER 6: CONTROL AND COORDINATION CHAPTER 7: HOW DO ORGANISMS REPRODUCE? CHAPTER 8: HEREDITY CHAPTER 9: LIGHT- REFLECTION AND REFRACTION CHAPTER 10: THE HUMAN EYE AND THE COLOURFUL WORLD CHAPTER 11: ELECTRICITY CHAPTER 12: MAGNETIC EFFECTS OF ELECTRIC CURRENT CHAPTER 13: OUR ENVIRONMENT	
JANUARY		REVISION	

FEBRUARY		BOARD EXAMINATION	
MARCH		BOARD EXAMINATION	