

SYLLABUS 2025-2026		
CLASS-XI		
SUBJECT - MATHS(APPLIED MATHS)		
MONTH	TOPIC	EXAM
APRIL	4 SETS	
JUNE	4 SETS cont... 3 MENSURATION (Surface Area & Vol. of figures)	
JULY	1 NUMBERS 2 INDICES & LOGARITHMS	PT-I Ch-(Sets Numbers & Logarithm)
AUGUST	5 RELATIONS 6 SEQUENCES & SERIES 7 PERMUTATIONS	
SEPTEMBER	8 COMBINATIONS 9 FUNCTIONS 10 DIFFERENTIATION	TERM I Ch-1,2,3,4,5,6,7
OCTOBER	11 PROBABILITY 12 DESCRIPTIVE STATISTICS	
NOVEMBER	13 STRAIGHT LINE 14 CIRCLE & PARABOLA	Class test
DECEMBER	15 LIMITS REVISION	Term-II Ch- 1 to 14
JANUARY		FINAL EXAM
FEBRUARY		

SYLLABUS 2025-2026		
CLASS-XI		
SUBJECT - HINDI		
MONTH	TOPIC	EXAM
अप्रैल	नमक का दारोगा, कबीर के पद कार्यालयी पत्र, अपठित बोध (गद्यांश)	
जुलाई	मियाँ नसीरुद्दीन, मीरा बाई डायरी लेखन	

जुलाई	अप्पूके साथ ढाई साल, गायिकाओं में सर्वश्रेष्ठ	PT I
	लता मंगेशकर, जनसंचार के माध्यम-1	
अगस्त	विदाई संभाषण, घर की याद, अपठित बोध	
	(काव्यांश), शब्दकोश	
सितंबर	राजस्थान की रजत बूँदें, गलता लोहा, घर की	TERM I
	याद, संदर्भ ग्रंथ, स्ववृत्त लेखन	
अक्टूबर	स्पीति में बारिश, चंपा काले-काले अक्षर नहीं	
	चीन्हती, रजनी, जनसंचार अध्याय - II	
नवंबर	साए में धूप, आलो आँधारि, जामुन का पेड़	
	जनसंचार अध्याय-III	
दिसंबर	भारत माता, सबसे खतरनाक, आओ मिलकर बचाएं	TERM II
जनवरी	अक्क महादेवी, जनसंचार अध्याय-4	
फरवरी	पुनरावृत्ति एवं वार्षिक परीक्षा	

SYLLABUS 2025-2026		
CLASS-XI		
SUBJECT - ACCOUNTANCY		
MONTH	TOPIC	EXAM
APRIL	Subject introduction and Project	
	assignment	
	1. Accounting- The Language of	
	Business	
JUNE	2. Basic Accounting Terms	
	3. Theory Base of Accounting	
JULY	4. Voucher and Transactions	PT-1
	5. Accounting Equation	Ch. 1, 2, 3 & 4
	6. Accounting Procedures-Rules of Debit	
	and Credit	
	7. Books of Original Entry Journal	

AUGUST	7. Journal	
	10. Ledger	
	8. Special Purpose Books I- Cash Book	
	9. Special Purpose Books II- Other Cash Book	
SEPTEMBER	14. Trial Balance	First Term
	17. Financial Statements of Sole	Ch. 1 to 10 & 14
	18. Proprietorship.	
	Adjustments in Preparation of Financial	
	Statements	
OCTOBER	11. Bank Reconciliation Statements	
	16. Accounts from Incomplete Records –	
	Single Entry System	
NOVEMBER	12. Depreciation	
	13. Provisions and Reserves	
DECEMBER	15. Rectification of Errors	Second Term
		8,14,15,16,17&18,
JANUARY	Revision	
FEBRUARY	Revision	Final Exam
		Full Syllabus

SYLLABUS 2025-2026		
CLASS-XI		
SUBJECT - PHYSICS		
MONTH	TOPIC	EXAM
APRIL	CH.- 1 Unit and Measurements	
	CH.- 2 Motion in a	PT- I
	Straight line	Ch 1, 2, 3
JUNE	CH.-3 Motion in a Plane	
JULY	CH.-4 Laws of Motion	
AUGUST	CH.- 5 Work Energy and Power	
SEPTEMBER	CH.- 6 System of Particles and	Term- I
	Roational Motion	Ch-1, 2, 3, 4,5
OCTOBER	CH.- 7 Gravitation	

	CH.-8 Mechanical Properties of Solids	
NOVEMBER		
	CH.- 9 Mechanical Properties of fluid	
	CH.- 10 Thermal Properties of Matter	
	CH.-11 Thermodynamics	
DECEMBER	CH.- 12 Kinetic theory of Gases	Term - II
		CH.- 5,6,7,8,9
JANUARY	CH.- 13 Oscillation	
	CH.-14 Waves	
FEBRUARY	Revision	Final Exam
		Full Syllabus

SYLLABUS 2025-2026		
CLASS-XI		
SUBJECT - MATHS		
MONTH	TOPIC	EXAM
JUNE	CH-1 SETS	
	CH-4 COMPLEX NUMBER	
JULY	CH-2 FUNCTION AND RELATION	
	CH-6 LINEAR INEQUALITIES	
AUGUST	CH-3 TRIGONOMETRIC FUNCTION	
	CH-8 SEQUENCE AND SERIES	
SEPTEMBER	CH-6 PERMUTATION AND COMBINATION	TERM-1
	CH-7 BINOMIAL THEOREM	CH-1,2,3,4,5
OCTOBER	CH-9 STRAIGHT LINES.	
NOVEMBER	CH-10 CONIC SECTION	
	CH-11 INTRODUCTION TO THREE DIMENSIONAL GEOMETRY	
DECEMBER	CH-13 STATISTICS	
	CH-14 PROBABILITY	
JANUARY	CH-12 LIMITS AND DERIVATIVES	
FEBRUARY	REVISION	FINAL EXAMS

SYLLABUS 2025-2026			
CLASS-XI			
ECONOMICS			
MONTH		TOPIC	EXAM
APRIL	MICRO ECO	INTRODUCTION.	
	UNIT-4	•Definition of Economics,	
		•Micro and macro economics	
		•Positive and normative economics	
		•Meaning of an economy	
		•Central problems of an economy.	
		Concepts of Production	
		Possibility Frontier and	
		Opportunity Cost.	
	UNIT-5	DEMAND. Law of Demand	
		• Movement. along and	
		shift in the demand curve	
		• Price elasticity of demand	
		• Measurement of price	
		elasticity of demand	
		percentage method and	
		total expenditure method,	
JUNE	STATISTICS	INTRODUCTION	
	UNIT -1	Meaning, scope, functions	
		and importance of statistics	
		in Economics.	
	UNIT -2	Collection, Organisation.	
		and Presentation of data,	
JULY	UNIT- 5 (Contd...)	CONSUMER'S EQUILIBRIUM	PERIODIC 1
		• meaning of utility, Marginal	UNIT 2, 4, 5,
		utility	(demand)
		• Law of Diminishing Marginal	
		utility,	
		• Conditions of consumer's	
		equilibrium using marginal	
		utility analysis,	
		Indifference Curve analysis.	
		of consumer's Equilibrium,	
AUGUST	STATISTICS	Statistical Tools and Interpretation	
	UNIT-3	•Measures of Central Tendency,	
		-Arithmetic Mean	

		-Median	
		-Mode	
SEPTEMBER	MICRO ECO	PRODUCER BEHAVIOUR AND SUPPLY	TERM I
	UNIT-6	-Meaning of Production	UNIT 1, 2, 4 ,6, & 3
		Function - Short Run and Long Run.	Mean, Median &
		Total Product Average Product	Mode
		and Marginal Product,	
		-Returns to a factor.	
		• Cost	
		• REVENUES	
		-Producers Equilibrium,	
OCTOBER	UNIT-6 (Contd..)	SUPPLY - meaning, law	
		of supply, movement	
		along the same supply	
		Curve and shifts in	
		Supply curve.	
		Price elasticity of Supply.	
		and its measurement	
		through percentage method	
NOVEMBER	UNIT-3 (Contid...)	Correlation.	Term-II
		INDEX NUMBERS.	Unit-6 Supply
			Unit-3 Correlation
			Index number
DECEMBER	UNIT-7	PERFECT COMPETITION.	
		- Features, Determination	
		of market equilibrium	
		and effects of Shifts in	
		demand and supply	
		(Short Run only)	
		Simple Applications of	
		Demand and Supply	
		Price Ceiling, Price Floor	
JANUARY		REVISION.	
FEBRUARY		FINAL EXAM,	Full syllabus

SYLLABUS 2025-2026		
CLASS-XI		
SUBJECT - BUSINESS STUDIES		
MONTH	TOPIC	EXAM

APRIL	Subject introduction and Project assignment	
	1. Nature and purpose of Business	
JUNE	1. Nature and purpose of Business	
	2. Forms of Business Organisation.	PT-I
		CH-1,2
JULY	2. Forms of Business Organisation	
	3. Public, Private and Global Enterprises	
AUGUST	7. Formation of a company	
	8. Sources of Business finance	
SEPTEMBER	4. Business services	First Term
	5. Emerging Modes of Business	Ch.1.2.3.4.7 & 8
OCTOBER	6. Social Responsibility of Business and Business Ethics	
NOVEMBER	9. Small Business	
	10. Internal Trade	
DECEMBER	10. Internal Trade	Second Term
	11. International Trade	Ch. 1 to 8
JANUARY	11. International Trade	FULL SYLLABUS
FEBRUARY	Revision	

SYLLABUS 2025-2026		
CLASS-XI		
SUBJECT - POLITICAL SCIENCE		
MONTH	TOPIC	EXAM
	INDIAN CONSTITUTION AT WORK	
APRIL	CH.-1 Constitution: Why and how?	PT-I
JULY	CH.-3 Election and representation	TERM-I
AUGUST	CH.-4 Executive	TERM-I
SEPTEMBER	CH.-5 Legislature	TERM-I
OCTOBER	CH.-6 Judiciary	TERM-II

NOVEMBER	CH.-7 Federalism	TERM-II
DECEMBER	CH.-8 Local Governments	
	POLITICAL THEORY	
JUNE	CH.-1 Political theory	PT-I
JULY	CH.-2 Freedom	TERM-I
AUGUST	CH.-3 Equality	TERM-I
SEPTEMBER	CH.-4 Social Justice	TERM-I
OCTOBER	CH.-5+6 Rights, Citizenship	TERM-II
NOVEMBER	CH.-7 Nationalism	TERM-II
DECEMBER	CH.-8 Secularism	TERM-II

SYLLABUS 2025-2026		
CLASS-XI		
SUBJECT - CHEMISTRY		
MONTH	TOPIC	EXAM
APRIL	Some basic Concepts of Chemistry-	
	Classifications of elements	
JUNE	Structure of Atom	
JULY	Structure of Atom (cont.)	PT-1 Syllabus.
	Some basic concepts of	Some basic
	Organic Chemistry	Concepts of Chemistry
	REVISION	Classification of
		elements, Strullive
AUGUST	Chemical Bonding,	of atom
	Redox Reactions	
SEPTEMBER	REVISION	TERM-1 Syllabus

	TERM-1 EXAM	Chapter- 1,2,3,4,7,8
OCTOBER	THERMODYNAMICS	
NOVEMBER	HYDROCARBONS	TERM-2 Syllabus
		Chap.- 5,9,6
DECEMBER	HYDROCARBONS (CONT.)	
	EQUILIBRIUM	
JANUARY	REVISION	
FEBRUARY	FINAL EXAM	Complete
		Syllabus.

SYLLABUS 2025-2026		
CLASS-XI		
SUBJECT - COMPUTER SCIENCE		
MONTH	TOPIC	EXAM
APRIL	Introduction to Problem-solving: Steps for Problem-solving (Analyzing the problem, developing an algorithm, coding, testing, and debugging), representation of algorithms using flowchart and pseudocode, decomposition	
JUNE	Familiarization with the basics of Python programming: Introduction to Python, Features of Python, executing a simple "hello world" program, execution modes: interactive mode and script mode, Python character set, Python tokens(keyword, identifier, literal, operator, punctuator), variables, concept of l-value and r-value, use of comments Knowledge of data types: Number(integer, floating point,complex), boolean, sequence(string, list, tuple), None, Mapping (dictionary), mutable and immutable data types.	
	Operators: arithmetic operators, relational operators, logical operators, assignment operators, augmented assignment operators, identity operators (is, is not), membership operators (in not in)	
		PT-I
JULY	Expressions, statement, type conversion, and	Ch.5,6

	input/output: precedence of operators, expression,	
	evaluation of an expression, type-conversion (explicit	
	and implicit conversion), accepting data as input from	
	the console and displaying output.	
	Errors- syntax errors, logical errors, and run-time errors	
	Flow of Control: introduction, use of indentation,	
	sequential flow, conditional and iterative flow	
	Conditional statements: if, if-else, if-elif-else,	
	flowcharts, simple programs: e.g.: absolute value, sort	
	3 numbers and divisibility of a number.	
	Iterative Statement: for loop, range(), while loop,	
	flowcharts, break and continue statements, nested	
	loops, suggested programs: generating pattern,	
AUGUST	summation of series, finding the factorial of a positive.	
	number, etc.	
	Strings: introduction, string operations (concatenation,	
	repetition, membership and slicing), traversing a string	
	using loops, built-in functions/methods-len(),	
	capitalize(), title(), lower(), upper(), count(), find(),	
	index(), endswith(), startswith(),	
	isalnum(), isalpha(), isdigit(), islower(),	
	isupper(), isspace(), lstrip(),rstrip(), strip(),	
	replace(), join(), partition(), split()	
	Lists: introduction, indexing, list operations	
	(concatenation, repetition, membership and slicing),	
	traversing a list using loops, built-in	
	functions/methods-len(), list(), append(), extend(),	
	insert(), count(), index(), remove(), pop(), reverse(),	
	sort(), sorted(), min(), max(), sum(); nested lists,	
	suggested programs: finding the maximum, minimum,	
	mean of numeric values stored in a list; linear search	
	on list of numbers and counting the frequency of	
	elements in a list.	
	Tuples: introduction, indexing, tuple operations	
	(concatenation, repetition, membership and slicing);	
	built-in functions/methods len(), tuple(), count()	
	index(), sorted(), min(), max(), sum(); tuple	
	assignment, nested tuple; suggested programs:	
	finding the minimum, maximum, mean of values stored	
	in a tuple; linear search on a tuple of numbers, counting	
	the frequency of elements in a tuple.	
SEPTEMBER	Dictionary: introduction, accessing items	TERM-I
	dictionary using keys, mutability of a dictionary (adding	5 to 10
	a new term, modifying an existing item), traversing a	
	dictionary, built-in functions/methods len(), dict(),	

	keys(), values(), items(), get(), update(), del, clear(),	
	fromkeys(), copy(), pop(), popitem(), setdefault(),	
	max(), min(), sorted(); Suggested programs: count the	
	number of times a character appears in a given string	
	using a dictionary, create a dictionary with names of	
	employees, their salary and access them.	
	Introduction to Python modules: Importing module	
	using 'import <module>' and using from statement,	
	importing math module (pi, e, sqrt(), ceil(), floor(),	
	pow(), fabs(), sin(), cos(), tan()); random module	
	(random(), randint(), randrange()), statistics module	
	(mean(), median(), mode()).	
OCTOBER	• Digital Footprints	
	• Digital Society and Netizen: net	
	etiquettes, communication etiquettes,	
	social media etiquettes	
	Data Protection: Intellectual property	
	rights (copyright, patent, trademark),	
	violation of IPR (plagiarism, copyright	
	infringement, trademark infringement),	
	open source software and licensing	
	(Creative Commons, GPL and Apache)	
	• Cyber Crime: definition, hacking,	
	eavesdropping, phishing and fraud	
	emails, ransomware, cyber trolls, cyber	
	bullying	
	• Cyber safety: safely browsing the web, identity	
	protection, confidentiality	
	• Malware: viruses, trojans, adware	
	• E-waste management: proper disposal of used	
	electronic gadgets.	
	• Information Technology Act (IT Act)	
	• Technology and society: Gender and	
	disability issues while teaching and using	
	computers	
NOVEMBER	• Basic computer organisation: Introduction	TERM-II
	to Computer System, hardware, software,	
	input device, output device, CPU,	
	memory (primary, cache and secondary),	
	units of memory (bit, byte, KB, MB, GB,	
	TB, PB)	
	• Types of software: System software	
	(Operating systems, system utilities,	
	device drivers), programming tools and	
	language translators (assembler,	

	compiler, and interpreter), application	
	software	
	• Operating System (OS): functions of the	
	operating system, OS user interface	
DECEMBER	• Boolean logic: NOT, AND, OR,	
	NAND, NOR, XOR, truth tables	
	and De Morgan's laws, Logic	
	circuits	
	Number System: Binary, Octal, Decimal and	
	Hexadecimal number system; conversion	
	between number systems	
	• Encoding Schemes: ASCII, ISCII, and Unicode	
	(UTF8, UTF32)	
JANUARY	REVISION	
FEBRARY	FINAL EXAM	

SYLLABUS 2025-2026		
CLASS-XI		
SUBJECT - PHYSICAL EDUCATION		
MONTH	TOPIC	EXAM
APRIL	UNIT-1CHANGING TRENDS AND CAREERS IN	
	PHYSICAL EDUCATION.	
JUNE	UNIT-2 OLYMPIISM VALUE EDUCATION.	
JULY	UNIT - 3 YOGA Revision	PT- I
AUGUST	UNIT-4 PHYSICAL EDUCATION AND SPORTS	
	FOR CWSN	
SEPTEMBER	UNIT - 5 PHYSICAL FITNESS, WELLNESS,AND LIFESTYLE	TEAM- I
	REVISION	
OCTOBER	UNIT-6 TEST, MEASUREMENTS AND EVALUATION.	
NOVEMBER	UNIT-7 FUNDAMENTALS OF ANATOMY,	
	PHYSIOLOGY AND SPORTS	
	UNIT - 8 FUNDAMENTALS OF KINESIIOLOGY AND	
	BIOMECHANICS	
DECEMBER	UNIT-9 PSYCHOLOGY AND SPORTS -REVISION	TEAM- II

JANUARY	UNIT-10 TRAINING AND DOPING IN SPORTS.	
FEBRUARY	FINAL EXAM. (REVISION) PRACTICALS	

SYLLABUS 2025-2026		
CLASS-XI		
SUBJECT - SANSKRIT		
MONTH	TOPIC	EXAM
अप्रैल	पाठ- 1,6 व्याकरण -क्रियान्विती,प्रत्यय, समास शब्दरूप साहित्य -कवि परिचय: अपठित, सन्धि	
जुलाई	पाठ - 3,7 अनुवाद साहित्य- संस्कृत शब्दस्य व्युत्पत्ति, परिभाषा, रामायण व्याकरण - उपपद विभक्ति ,लघुकथा , धातुरूप समास , प्रत्यय, सन्धि अनुच्छेद	PT-I
अगस्त	पाठ -5, 8 अनुवाद साहित्य- कवि परिचय, कालिदास : महाभारत व्याकरण - क्रिया विशेषण, प्रत्यय अनुच्छेद, पत्र अशुद्धि संशोधन	
सितम्बर	पाठ - ,9 अनुवाद व्याकरण- समास, सन्धि, क्रियान्विती, पत्र, अपठित साहित्य- महाकाव्य लघुकथा, कवि भासः परिचयः	PT-II
अक्टूबर	पाठ- 10 अनुवाद संस्कृत साहित्य परिचयः कवि विष्णुशर्मा, पुराण व्याकरण- सन्धि पाठ 5 की प्रत्यय और समास ।	
नवम्बर	पाठ-, 11 सन्धि, अनुच्छेद लेखन, पत्र अपठित गद्यांश की पुनरावृत्ति, वैदिक साहित्य	Term- II
दिसम्बर	पाठों की पुनरावृत्ति, व्याकरण की पुनरावृत्ति	
जनवरी	साहित्य - कवि परिचयः निर्धारित सम्पूर्ण पाठ्यक्रम	
फरवरी	सम्पूर्ण व्याकरण, साहित्य का पाठ्यक्रम	Final Exam

SYLLABUS 2025-2026

CLASS-XI

SUBJECT - BIOLOGY		
MONTH	TOPIC	EXAM
APRIL	UNIT-1 Chapter - 1 THE LIVING WORLD	
	Chapter - 2 BIOLOGICAL CLASSIFICATION	
JUNE	Chapter - 3 PLANT KINGDOM	
	Chapter - 4 ANIMAL KINGDOM	
JULY	UNIT-2 Chapter -5 MORPHOLOGY OF FLOWERING PLANTS	PT-I
	Chapter - 6 ANATOMY OF FLOWERING PLANTS	Chapter 1 TO 4
	Chapter - 7 STRUCTURAL ORGANISATION IN ANIMALS	
AUGUST	UNIT-Chapter - 8 CELL THE UNIT OF LIFE	
	Chapter - 9 BIOMOLECULES	
SEPTEMBER	Chapter-10 CELL CYCLE AND CELL DIVISION	Term-I
		Chapters 1 TO 10
OCTOBER	UNIT-4 Chapter-11 PHOTOSYNTHESIS IN HIGHER PLANTS	
	Chapter-12 RESPIRATION IN PLANTS	
	Chapter- 13 PLANT GROWTH AND DEVELOPMENT	
NOVEMBER	UNIT-5 Chapter-14 BREATHING AND EXCHANGE OF GASES.	
	Chapter - 15 BODY FLUIDS AND CIRCULATION	
DECEMBER	Chapter -16. EXCRETORY PRODUCTS & THEIR ELIMINATION	Term - II
	Chapter- 17 LOCOMOTION & MOVEMENT	Chapters 1- 15
JANUARY	Chapter - 18 NEURAL CONTROL AND COORDINATION	
	Chapter-19 CHEMICAL COORDINATED AND INTEGRATION	
FEBRUARY -	REVISION	FINAL EXAM
		Full Syllabus.

SYLLABUS 2025-2026		
CLASS-XI		
SUBJECT - ENGLISH CORE		
MONTH	TOPIC	EXAM
April	Reading Comprehension	
	LIT. Hornbill Ls-1 The Portrait of a Lady	
	Poem- 1 A Photograph	
	Snapshots Ls-1 The Summer of the Beautiful White Horse	
	WRT. SKILL.-Drafting Posters	

June	Reading Comprehension	
	Note Making	
	LIT. Hornbill Ls-2 We're Not Afraid to Die....	
	If We Can All Be Together	
	Grammar-Tenses, Jumbled sentences	
July	WRT. SKILL.- Advertisement, Note Making and	
	Summary Writing,	PERIODIC TEST-I
	Grammar-Tenses, Jumbled sentences	LIT. Hornbill Ls-1 The Portrait of a Lady,
		Ls-2 We're Not Afraid to Die.... If We Can All Be
		Together
Aug	LIT. Hornbill Ls-3 Discovering Tut: the Saga Continues	Poem- 1 A Photograph
	Poem-2 The Laburnum Top	Snapshots Ls-1 The Summer of the Beautiful
	WRT. SKILL.-Note Making and Summary Writing	White Horse
	Grammar-Tenses, Jumbled sentences	Grammar-Tenses, Jumbled sentences
		WRT. SKILL.- Advertisement and Posters
Sep	LIT. Hornbill Ls-4 The Adventure	TERM-I EXAMINATION
	Poem-3 The Voice of the Rain	Reading Comprehension and Note Making and
	Snapshots Ls-2 The Address	Summary Writing
	WRT. SKILL.-Speech writing	LIT. Hornbill Ls-1,2,3 & 4
		Poem- 1, 2 & 3
		Snapshots Ls-1 & 2
		Grammar-Tenses, Jumbled sentences
		WRT. SKILL.- Advertisement,, Drafting posters,
		Speech writing
Oct	LIT. Hornbill Ls-5 Silk Road	
	WRT. SKILL.- Debate writing	
Nov	Poem-4 Childhood	
	Snapshots Ls-3 Mother's Day	
	Grammar-Tenses, Jumbled sentences	
	Poem-5 Father to Son	
	WRT. SKILL.-Debate writing	
	Grammar-Tenses, Jumbled sentences	
Dec	Snapshots Ls-4 Birth	TERM-II EXAMINATION

	Grammar-Tenses, Jumbled sentences	LIT. Hornbill Ls-1,2,3 & 4
		Poem- 1, 2, 3 &4
Jan	Snapshots Ls-8 The Tale of Melon City	Snapshots Ls-1,2, 3 & 4
	Grammar-Tenses, Jumbled sentences	Grammar-Tenses, Jumbled sentences
		WRT. SKILL.- Advertisement, Note Making and
Feb	Revision	Summary Writing, Drafting posters, Speech
		writing, Debate writing

SYLLABUS 2025-2026
CLASS-XI
SUBJECT - ARTIFICIAL INTELLIGENCE

Month	Unit	Topics	Exam
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PART A- EMPLOYABILITY SKILLS

April		ICT Skills	
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PART B- SUBJECT SPECIAL SKILLS

Month	Unit	Topics	Exam
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Unit 1 - Introduction: Artificial Intelligence for Everyone

June		What is Artificial Intelligence? Evolution of AI Types of AI Domains of AI AI Terminologies Benefits and limitations of AI	
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Unit 2 - Unlocking Your Future in AI

July		The Global Demand Some Common Job Roles in AI Essential Skills and Tools for Prospective AI Careers Opportunities in AI across Various Industries	PT-I: Unit 1, 2 ICT Skills AI for Everyone
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Unit 3 - Python Programming

August		Level 1: Basics of python programming, character sets, tokens, modes, operators, datatypes, Control Statements Level 2: CSV Files, Libraries – NumPy, Pandas, Scikit-learn	
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Unit 4 - Introduction to Capstone Project

September		Design Thinking Empathy Map Sustainable Development Goals Capstone Project	TERM-I: Unit 1, 3, 4 AI for Everyone Unlocking Your Future Python Programming
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Unit 5 - Data Literacy – Data Collection to Data Analysis

October		What is Data Literacy? Data Collection Exploring Data Statistical Analysis of data Representation of data, Python Programs for Statistical Analysis and Data Visualization Introduction to Matrices Data Pre-processing Data in Modelling and Evaluation	
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Unit 6 - Machine Learning Algorithms

November		Machine Learning in a nutshell Types of Machine Learning Supervised Learning Understanding Correlation, Regression, Finding the line, Linear Regression algorithm Classification – How it works, Types, k – Nearest Neighbour algorithm Unsupervised Learning Clustering – How it works, Types, k- means Clustering algorithm	TERM-II: Unit 5
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Unit 7 - Leveraging Linguistics and Computer Science

January		Understanding Human Language Complexity Introduction to Natural Language Processing (NLP) - Emotion Detection and Sentiment Analysis, Classification Problems, Chatbot Phases of NLP Applications of NLP	
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Unit 8 - AI Ethics and Values

February		Ethics in Artificial Intelligence The five pillars of AI Ethics Bias, Bias Awareness, Sources of Bias Mitigating Bias in AI Systems Developing AI Policies Moral Machine Game Survival of the Best Fit Game	FINAL EXAM: Complete Syllabus
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