

JAGANNATH INTERNATIONAL SCHOOL

MONTH-WISE SYLLABUS-2024-25 CLASS-XI

ENGLISH CORE (301)

PRESCRIBED BOOKS: HORNBILL

SNAPSHOTS (SUPPLEMENTARY READER PUBLISHED BY NCERT)

MONTH	CITA DIED	A CITIL HITTER
MONTH	CHAPTER	ACTIVITIES
APRIL-MAY	THE PORTRAIT OF A LADY, A	BRAINSTORMING
	PHOTOGRAPH, THE SUMMER OF	CHARTS
	BEAUTIFUL WHITE HORSE, WE'RE	STORY MAPS
	NOT AFRAID TO DIEIF WE CAN BE	
	TOGETHER, THE LABURNUM TOP,	
	THE ADDRESS, POSTER MAKING,	
	NOTICE WRITING, READING	
	COMPREHENSION, INTEGRATED	
	GRAMMAR	
JULY	DISCOVERING TUT: THE SAGA	NOTE MAKING
	CONTINUES, MOTHER'S DAY, NOTE	
	MAKING, SPEECH WRITING, READING	
	COMPREHENSION, INTEGRATED	
	GRAMMAR	
AUG-SEP	THE VOICE OF THE RAIN,	DEBATE
	CHILDHOOD, DEBATE WRITING,	
	READING COMPREHENSION,	
	INTEGRATED GRAMMAR	
OCTOBER	SILK ROAD, ADVERTISEMENTS,	ADVERTISEMENTS
	READING COMPREHENSION,	
	INTEGRATED GRAMMAR, REVISION	
	FOR MID-TERM	
NOVEMBER	FATHER TO SON, ADVERTISEMENTS,	SPEAKING SKILLS
	READING COMPREHENSION,	(GROUP DISCUSSIONS)
	INTEGRATED GRAMMAR	,
DECEMBER	BIRTH, REVISION OF WRITING	EXTEMPORE
	SKILLS, READING COMPREHENSION,	
	INTEGRATED GRAMMAR	
JAN-FEB	THE TALE OF MELON CITY,	ASSESSMENT OF
	REVISION OF READING.	SPEAKING AND
	WRITING AND SPEAKING	LISTENING SKILLS
	SKILLS	(ASL)
		,

PHYSICAL EDUCATION

BOOK: SARASWATI PUBLICATION

APRIL - MAY UNIT 1: CHANGING TRENDS AND CAREER IN PHYSICAL EDUCATION. UNIT 2: OLYMPISM UNIT 3: YOGA UNIT 4: PHYSICAL EDUCATION AND SPORTS FOR CWSN(CHILDREN WITH SPECIAL NEEDS-DIVYANG) AUGUST - UNIT 5: PHYSICAL FITNESS, HEALTH AND WELLNESS UNIT 6: TEST MEASUREMENT AND EVALUATION OCTOBER UNIT 7: FUNDAMENTAL OF ANATOMY AND PHYSIOLOGY IN SPORTS	MONTH	CHAPTERS
CAREER IN PHYSICAL EDUCATION. UNIT 2: OLYMPISM UNIT 3: YOGA UNIT 4: PHYSICAL EDUCATION AND SPORTS FOR CWSN(CHILDREN WITH SPECIAL NEEDS-DIVYANG) AUGUST - UNIT 5: PHYSICAL FITNESS, HEALTH AND WELLNESS UNIT 6: TEST MEASUREMENT AND EVALUATION OCTOBER UNIT 7: FUNDAMENTAL OF ANATOMY		
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UNIT 4: PHYSICAL EDUCATION AND SPORTS FOR CWSN(CHILDREN WITH SPECIAL NEEDS-DIVYANG) AUGUST - UNIT 5: PHYSICAL FITNESS, HEALTH AND WELLNESS UNIT 6: TEST MEASUREMENT AND EVALUATION OCTOBER UNIT 7: FUNDAMENTAL OF ANATOMY		UNIT 2: OLYMPISM
UNIT 4: PHYSICAL EDUCATION AND SPORTS FOR CWSN(CHILDREN WITH SPECIAL NEEDS-DIVYANG) AUGUST - UNIT 5: PHYSICAL FITNESS, HEALTH AND WELLNESS UNIT 6: TEST MEASUREMENT AND EVALUATION OCTOBER UNIT 7: FUNDAMENTAL OF ANATOMY		
SPORTS FOR CWSN(CHILDREN WITH SPECIAL NEEDS-DIVYANG) AUGUST - UNIT 5: PHYSICAL FITNESS, HEALTH AND WELLNESS UNIT 6: TEST MEASUREMENT AND EVALUATION OCTOBER UNIT 7: FUNDAMENTAL OF ANATOMY	JULY	UNIT 3: YOGA
AUGUST - UNIT 5: PHYSICAL FITNESS, HEALTH SEPTEMBER AND WELLNESS UNIT 6: TEST MEASUREMENT AND EVALUATION OCTOBER UNIT 7: FUNDAMENTAL OF ANATOMY		UNIT 4: PHYSICAL EDUCATION AND
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SEPTEMBER AND WELLNESS UNIT 6: TEST MEASUREMENT AND EVALUATION OCTOBER UNIT 7: FUNDAMENTAL OF ANATOMY		SPECIAL NEEDS-DIVYANG)
UNIT 6: TEST MEASUREMENT AND EVALUATION OCTOBER UNIT 7: FUNDAMENTAL OF ANATOMY	AUGUST -	UNIT 5: PHYSICAL FITNESS, HEALTH
EVALUATION OCTOBER UNIT 7: FUNDAMENTAL OF ANATOMY	SEPTEMBER	AND WELLNESS
OCTOBER UNIT 7: FUNDAMENTAL OF ANATOMY		UNIT 6: TEST MEASUREMENT AND
		EVALUATION
AND PHYSIOLOGY IN SPORTS	OCTOBER	UNIT 7: FUNDAMENTAL OF ANATOMY
		AND PHYSIOLOGY IN SPORTS
NOVEMBER UNIT 8: FUNDAMENTAL OF	NOVEMBER	UNIT 8: FUNDAMENTAL OF
KINESIOLOGY AND		KINESIOLOGY AND
BIOMECHANICS IN SPORTS		BIOMECHANICS IN SPORTS
DECEMBER UNIT 9: PSYCHOLOGY AND SPORTS	DECEMBER	UNIT 9: PSYCHOLOGY AND SPORTS
JAN-FEB UNIT10: TRAINING AND DOPING IN	JAN-FEB	UNIT10: TRAINING AND DOPING IN
SPORTS		SPORTS

PSYCHOLOGY (037)

BOOK: A TEXTBOOK FOR PSYCHOLOGY (NCERT)

MONTH	CHAPTERS	ACTIVITIES
APRIL	UNIT -1 WHAT IS PSYCHOLOGY?	.DISCUSSION OF CASE
	<u>DIGITAL CONTENT</u> : WATCH:	STUDY TO MAKE
	PSYCHOLOGIST AT WORK?	STUDENTS AWARE
	HTTP://YOUTU.BE/.V3TMEN1GIG	ABOUT IMPORTANCE
		OF PSYCHOLOGY
		<u>.ART INTEGRATION</u>
		MAKE A COLLAGE OF
		WHAT IS
		PSYCHOLOGY,ITS SCOPE
		AND VARIUS BRANCHES
MAY	UNIT-2 METHODS OF ENQUIRY IN	.SEMINAR ON
	PSYCHOLOGY	IMPORTANT METHODS
		OF PSYCHOLOGY

JULY	UNIT-4 HUMAN DEVELOPMENT	.PRESENTATION ON HUMAN DEVELOPMENTAL STAGES
AUGUST-	UNIT-5 SENSORY, ATTENTIONAL ,	.CRITICALLY
SEPTEMBER	AND PERCEPTUAL PROCESSES	EVALUATION OF
		THEORIES OF LEARNING
OCTOBER	UNIT-6 LEARNING	.EXPERIMENT :
		SENSATION AND
		LEARNING
NOVEMBER	UNIT-7 HUMAN MEMORY	.ACTIVITIES RELATED
		TO FORGETTING
		.EXPERIMENT: MEMORY
DECEMBER	UNIT-9 MOTIVATION AND	.ACTIVITIES RELATED
	EMOTION	TO MOTIVATION
		.PROJECT
JAN-FEB	UNIT-8 THINKING AND REVISION	G.D.

ECONOMIC(030)

BOOK: MICRO ECONOMICS: Sandeep Garg (Dhanpat Rai Publications)

MONTH	CHAPTERS	ACTIVITY
APRIL	Ch-1: Introduction	Flow chart
MAY	Ch-2: Consumer's Equilibrium	Diagrammatic PresentationClass test
JULY	Ch-3: Demand	FlowchartDiagrammatic PresentationClass test
AUGUST	Ch-4: Elasticity of Demand	 Numerical based on method of calculating Elasticity of Demand Diagrammatic Presentation Learning formulas Class test
SEPTEMBER	Revision + Project Work	
OCTOBER	Ch-5: Production Function Ch-6: Cost	 To note down the highlights of production, cost and revenue in a company Class test
NOVEMBER	Ch-7: Revenue Ch-8: Producer's Equilibrium	 Flowchart Diagram of Producer's Equilibrium Class test
DECEMBER	Ch-9: Supply Ch-10: Main market forms	Flow chartDiagrams of SupplyClass test
JANUARY	Ch-11: Price determination and simple application	Flow chartDiagrammatic presentation

		•	Class test
FEBRUARY	Revision		

MONITH	CHAPTERG	A COUNTY TONY
MONTH	CHAPTERS	ACTIVITY
APRIL	Ch-1: Concept of Economics	Flowchart
	Ch-2: Meaning, Scope and Importance of	Oral test
	Statistics	
MAY	Ch-3: Collection of Data	 Flowchart
		 To prepare questionnaire
		Class test
JULY	Ch-4: Organisation of data	Flow chart
	Ch-5: Tabular Presentation	Pictorial representation
	Ch-6: Diagrammatic presentation of data	of data
	Ch-7: Graphic Presentation	
AUGUST	Ch-8: Measures of central tendency-Arithmetic	Flow chart
	Mean	 Numerical
		Class test
SEPTEMBER	Revision	Oral and written test
OCTOBER	Ch-9: Measures of central tendency-Median	Flow chart
	and Mode	 Prepare a chart showing
		formulas of means,
		median and mode.
NOVEMBER	Ch-10: Measures of Correlation	Numerical
		Class test
DECEMBER	Ch-11: Index Numbers	Numerical
		Class test
JANUARY	Revision	
FEBRUARY	Revision	

BOOK: Statistics for Economics: Sandeep Garg (Dhanpat Rai Publications)

POLITICAL SCIENCE

BOOKS-1: INDIAN CONSTITUTION AT WORK (NCERT)

BOOK-2: POLITICAL THEORY (NCERT)

MM: 80 + 20

MONTH	CHAPTER NAME	ACTIVITIES
	PART A: INDIAN CONSTITUTION AT WORK	
APRIL	• CHAPTER1: CONSTITUTION	 LEARN ABOUT PHILOSOPHY AND MAKING OF CONSTITUTION READ PREAMBLE AND ANALYSE. MAKE TIMELINE/FLOWCHA RT.
MAY	CHAPTER-2: RIGHTS IN THE INDIAN CONSTITUTION CHAPTER-3: ELECTION AND REPRESENTATION GUIDELINES FOR PROJECT WORK	COLLAGE –MAKING: VIOLATIONS OF RIGHTS. PPT
JUNE	SUMMER VACATIONS	
JULY	 CHAPTER-4: <u>LEGISLATURE</u> CHAPTER-5: <u>EXECUTIVE</u> CHAPTER-6: <u>JUDICIARY</u> 	DISCUSSION AND DEBATE: POWERS AND FUNCTIONS OF REAL AND NOMINAL EXECUTIVE. EXTEMPORE: Student will pick a topic from the bowl. They will start extempore by introducing themselves and about the topic.
JULY	PERIODIC TEST-1	
AUGUST	CHAPTER-7- <u>FEDERALISM</u> CHAPTER-8: <u>LOCAL</u> <u>GOVERNMENT</u>	INFORMATIONAL BROCHURE: Students will design an informational brochure to share what they have learnt about the topic.

	CHAPTED O. CONCTITUTION	
	CHAPTER-9: <u>CONSTITUTION</u> AS LIVING DOCUMENT.	
SEPTEMBER	 AS LIVING DOCUMENT REVISION FOR MID TERM EXAMINATION MID TERM EXAMINATION 	PEN PAPER TEST FOR REVISION QUIZ
	PART B: POLITICAL THEORY	
OCTOBER	 CHAPTER-1: POLITICAL THEORY – AN INTRODUCTION CHAPTER-2: FREEDOM CHAPTER-3- EQUALITY 	WHAT IS POLITICS? COLLECT POLITICAL CARTOONS FROM VARIOUS NEWSPAPERS AND DISCUSSING THE ISSUES. RAISED COMPARISON BETWEEN LIBERTY AND FREEDOM. PANEL DISCUSSION: Teacher will assign topics for discussion. Will make panel (students) and proceed with discussion. DEBATE: DOES DRESS CODE CURTAIL INDIVIDUAL
NOVEMBER	CHAPTER-4: <u>SOCIAL</u> <u>JUSTICE</u> CHAPTER-5: <u>RIGHTS</u>	FREEDOM? COLLABORATI VE LEARNING: ASSIGNING TASK FOR ACQUIRING INFORMATION ON DIFFERENT TYPES OF RIGHTS. COMPARATIVE ANALYSIS; DIFFERENT TYPE OF RIGHTS.
DECEMBER	 CHAPTER-6: <u>CITIZENSHIP</u> CHAPTER-7: <u>NATIONALISM</u> PROJECT SUBMISSION 	DEBATE: SHOULD INDIA GRANT DUAL CITIZENSHIP? DISCUSSION: NORMS OF GRANTING CITIZENSHIP PUT FORTH BY DIFFERENT COUNTRIES.

JANURARY	 CHAPTER-8: <u>SECULARISM</u> REVISION VIVA FOR FINAL TERM 	• QUIZ
FEBRUARY/ MARCH	 REVISION FOR FINAL TERM FINAL TERM EXAMINATION 	

MATHEMATICS BOOK: NCERT

MONTHS	CHAPTERS	ACTIVITY
APRIL	CH – 1 SETS	VENN DIAGRAMS ON
	CH – 2 RELATIONS AND	VARIOUS TYPES OF
	FUNCTIONS	NUMBERS
		 FLOW CHARTS RELATING
		FAMILY MEMBERS USING
		TYPES OF RELATIONS
MAY	CH – 3 TRIGONOMETRIC	FORMULAE CHARTS
	FUNCTIONSCH – 4	GROUP DISCUSSION -
	COMPLEX NUMBERS AND	(REAL NUMBERS VS COMPLEX
	QUADRATIC EQUATIONS	NUMBERS)
JULY	CH – 5 LINEAR INEQUALITIES	 WORKSHEETS
	CH – 6 PERMUTATIONS	
	ANDCOMBINATIONS	
AUGUST	CH – 7 BINOMIAL	 MODEL ON PASCAL'S LAW
	THEOREM CH – 8	
	SEQUENCES AND	
	SERIES	
SEPTEMBER	CH – 9 STRAIGHT	GRAPH MAKING OF
	LINES CH – 10	VARIOUS TYPES OF CONIC
	CONIC SECTIONS	SECTIONS
OCTOBER	CH – 11 INTRODUCTION TO	CALCULATING DISTANCE
	THREE –DIMENSIONAL	BETWEEN TWO POINTS
	GEOMETRY	GRAPHICALLY AND VERIFY
	CH – 12 LIMITS AND DERIVATIVES	DISTANCE FORMULA
NOVEMBER		
NOVENIDEK	CH – 13 STATISTICS CH	INFOGRAPHIC MAKING ON TEMPERATURE DATA
	- 14	FLASHCARDS ON TYPES OF
	PROBABILITY	FLASHCARDS ON TYPES OF EVENTS
	I KODADILII I	EVENIO

BUSINESS STUDIES

BOOK: NCERT & POONAM GANDHI

MONTHS	<u>CHAPTERS</u>
APRIL	PART A:

	<u>CH – 1 NATURE AND PURPOSE OF</u>
	BUSINESS
MAY	
	<u>CH – 2 FORMS OF BUSINESS</u>
	<u>ORGANISATIONS</u>
JULY	
	CH – 3 PRIVATE, PUBLIC AND GLOBAL
	ENTERPRISES
	CH – 5 EMERGING MODES OF
	BUSINESS
AUGUST	BOBINED
AUGUST	CH – 4 BUSINESS SERVICES
SEPTEMBER	CIT + DUSTIVESS SERVICES
SEFIEWIDER	CH – 6 SOCIAL RESPONSIBILITIES OF
	BUSINESS AND BUSINESS ETHICS
OCTORER	
OCTOBER	PART B:
	CH – 9 INTERNAL TRADE
	<u>CH – 10 INTERNATIONAL BUSINESS</u>
NOVEMBER	
	<u>CH – 7 SOURCES OF BUSINESS</u>
	<u>FINANCE</u>
DECEMBER	
	<u>CH – 8 SMALL BUSINESS AND</u>
	<u>ENTERPRISES</u>

ACCOUNTANCY BOOK: T.S. GREWAL'S

MONTHS		
APRIL CH - 2 BASIC ACCOUNTING TERMS CH - 3 THEORY BASE OF ACCOUNTING, ACCOUNTING STANDARDS AND INDIAN ACCOUNTINGSTANDARDS CH - 4 BASES OF ACCOUNTING MAY CH - 5 ACCOUNTING EQUATION CH - 6 ACCOUNTING PROCEDURES - RULES OF DEBIT AND CREDIT CH - 7 ORIGIN OF TRANSACTIONS - SOURCE DOCUMENTS AND PREPARATION OF VOUCHERS JULY CH - 8 JOURNAL AUGUST CH - 9 LEDGER SEPTEMBER CH - 10 SPECIAL PURPOSE BOOKS I - CASH BOOK OCTOBER CH - 11 SPECIAL PURPOSE BOOKS II - OTHER BOOKS CH - 12 ACCOUNTING OF GOODS AND SERVICES TAX (GST) CH - 13 BANK RECONCILIATION STATEMENT	<u>MONTHS</u>	<u>CHAPTERS</u>
CH – 3 THEORY BASE OF ACCOUNTING, ACCOUNTING STANDARDS AND INDIAN ACCOUNTINGSTANDARDS CH – 4 BASES OF ACCOUNTING MAY CH – 5 ACCOUNTING EQUATION CH – 6 ACCOUNTING PROCEDURES – RULES OF DEBIT AND CREDIT CH – 7 ORIGIN OF TRANSACTIONS – SOURCE DOCUMENTS AND PREPARATION OF VOUCHERS JULY CH – 8 JOURNAL AUGUST CH – 9 LEDGER SEPTEMBER CH – 10 SPECIAL PURPOSE BOOKS I – CASH BOOK OCTOBER CH – 11 SPECIAL PURPOSE BOOKS II – OTHER BOOKS CH – 12 ACCOUNTING OF GOODS AND SERVICES TAX (GST) CH – 13 BRAIN RECONCILIATION STATEMENT	MONTHS	CH – 1 INTRODUCTION TO ACCOUNTING
AND INDIAN ACCOUNTINGSTANDARDS CH – 4 BASES OF ACCOUNTING MAY CH – 5 ACCOUNTING EQUATION CH – 6 ACCOUNTING PROCEDURES – RULES OF DEBIT AND CREDIT CH – 7 ORIGIN OF TRANSACTIONS – SOURCE DOCUMENTS AND PREPARATION OF VOUCHERS JULY CH – 8 JOURNAL AUGUST CH – 9 LEDGER SEPTEMBER CH – 10 SPECIAL PURPOSE BOOKS I – CASH BOOK OCTOBER CH – 11 SPECIAL PURPOSE BOOKS II – OTHER BOOKS CH – 12 ACCOUNTING OF GOODS AND SERVICES TAX (GST) CH – 13 BANK RECONCILIATION STATEMENT	APRIL	CH – 2 BASIC ACCOUNTING TERMS
CH – 4 BASES OF ACCOUNTING MAY CH – 5 ACCOUNTING EQUATION CH – 6 ACCOUNTING PROCEDURES – RULES OF DEBIT AND CREDIT CH – 7 ORIGIN OF TRANSACTIONS – SOURCE DOCUMENTS AND PREPARATION OF VOUCHERS JULY CH – 8 JOURNAL AUGUST CH – 9 LEDGER SEPTEMBER CH – 10 SPECIAL PURPOSE BOOKS I – CASH BOOK OCTOBER CH – 11 SPECIAL PURPOSE BOOKS II – OTHER BOOKS CH – 12 ACCOUNTING OF GOODS AND SERVICES TAX (GST) CH – 13 BANK RECONCILIATION STATEMENT		CH – 3 THEORY BASE OF ACCOUNTING, ACCOUNTING STANDARDS
MAY CH – 5 ACCOUNTING EQUATION CH – 6 ACCOUNTING PROCEDURES – RULES OF DEBIT AND CREDIT CH – 7 ORIGIN OF TRANSACTIONS – SOURCE DOCUMENTS AND PREPARATION OF VOUCHERS JULY CH – 8 JOURNAL AUGUST CH – 9 LEDGER SEPTEMBER CH – 10 SPECIAL PURPOSE BOOKS I – CASH BOOK OCTOBER CH – 11 SPECIAL PURPOSE BOOKS II – OTHER BOOKS CH – 12 ACCOUNTING OF GOODS AND SERVICES TAX (GST) CH – 13 BANK RECONCILIATION STATEMENT		AND INDIAN ACCOUNTINGSTANDARDS
CH – 6 ACCOUNTING PROCEDURES – RULES OF DEBIT AND CREDIT CH – 7 ORIGIN OF TRANSACTIONS – SOURCE DOCUMENTS AND PREPARATION OF VOUCHERS JULY CH – 8 JOURNAL AUGUST CH – 9 LEDGER SEPTEMBER CH – 10 SPECIAL PURPOSE BOOKS I – CASH BOOK OCTOBER CH – 11 SPECIAL PURPOSE BOOKS II – OTHER BOOKS CH – 12 ACCOUNTING OF GOODS AND SERVICES TAX (GST) CH – 13 BANK RECONCILIATION STATEMENT		CH – 4 BASES OF ACCOUNTING
CH – 7 ORIGIN OF TRANSACTIONS – SOURCE DOCUMENTS AND PREPARATION OF VOUCHERS JULY CH – 8 JOURNAL AUGUST CH – 9 LEDGER SEPTEMBER CH – 10 SPECIAL PURPOSE BOOKS I – CASH BOOK OCTOBER CH – 11 SPECIAL PURPOSE BOOKS II – OTHER BOOKS CH – 12 ACCOUNTING OF GOODS AND SERVICES TAX (GST) CH – 13 BANK RECONCILIATION STATEMENT	MAY	CH – 5 ACCOUNTING EQUATION
PREPARATION OF VOUCHERS JULY CH - 8 JOURNAL AUGUST CH - 9 LEDGER SEPTEMBER CH - 10 SPECIAL PURPOSE BOOKS I - CASH BOOK OCTOBER CH - 11 SPECIAL PURPOSE BOOKS II - OTHER BOOKS CH - 12 ACCOUNTING OF GOODS AND SERVICES TAX (GST) CH - 13 BANK RECONCILIATION STATEMENT		CH – 6 ACCOUNTING PROCEDURES – RULES OF DEBIT AND CREDIT
JULY CH - 8 JOURNAL AUGUST CH - 9 LEDGER SEPTEMBER CH - 10 SPECIAL PURPOSE BOOKS I - CASH BOOK OCTOBER CH - 11 SPECIAL PURPOSE BOOKS II - OTHER BOOKS CH - 12 ACCOUNTING OF GOODS AND SERVICES TAX (GST) CH - 13 BANK RECONCILIATION STATEMENT		CH – 7 ORIGIN OF TRANSACTIONS – SOURCE DOCUMENTS AND
AUGUST CH – 9 LEDGER SEPTEMBER CH – 10 SPECIAL PURPOSE BOOKS I – CASH BOOK OCTOBER CH – 11 SPECIAL PURPOSE BOOKS II – OTHER BOOKS CH – 12 ACCOUNTING OF GOODS AND SERVICES TAX (GST) CH – 13 BANK RECONCILIATION STATEMENT		PREPARATION OF VOUCHERS
SEPTEMBER CH – 10 SPECIAL PURPOSE BOOKS I – CASH BOOK OCTOBER CH – 11 SPECIAL PURPOSE BOOKS II – OTHER BOOKS CH – 12 ACCOUNTING OF GOODS AND SERVICES TAX (GST) CH – 13 BANK RECONCILIATION STATEMENT	JULY	CH – 8 JOURNAL
SEPTEMBER CH – 10 SPECIAL PURPOSE BOOKS I – CASH BOOK OCTOBER CH – 11 SPECIAL PURPOSE BOOKS II – OTHER BOOKS CH – 12 ACCOUNTING OF GOODS AND SERVICES TAX (GST) CH – 13 BANK RECONCILIATION STATEMENT		
OCTOBER CH – 11 SPECIAL PURPOSE BOOKS II – OTHER BOOKS CH – 12 ACCOUNTING OF GOODS AND SERVICES TAX (GST) CH – 13 BANK RECONCILIATION STATEMENT	AUGUST	CH – 9 LEDGER
CH – 12 ACCOUNTING OF GOODS AND SERVICES TAX (GST) CH – 13 BANK RECONCILIATION STATEMENT	SEPTEMBER	CH – 10 SPECIAL PURPOSE BOOKS I – CASH BOOK
CH – 12 ACCOUNTING OF GOODS AND SERVICES TAX (GST) CH – 13 BANK RECONCILIATION STATEMENT	OCTOBER	CH – 11 SPECIAL PURPOSE BOOKS II – OTHER BOOKS
CH – 13 BANK RECONCILIATION STATEMENT		CH – 12 ACCOUNTING OF GOODS
CH 14 FRIAL DALANCE		AND SERVICES TAX (GST)
CIL 14 TRIAL DALANCE		CH – 13 BANK RECONCILIATION STATEMENT
NOVEMBER CH-14 IRIAL BALANCE	NOVEMBER	CH -14 TRIAL BALANCE
CH – 15 DEPRECIATION		CH – 15 DEPRECIATION
CH – 16 PROVISIONS AND RESERVES		CH – 16 PROVISIONS AND RESERVES

DECEMBER	CH – 17 RECTIFICATION OF ERRORS
	CH – 18 FINANCIAL STATEMENTS OF SOLE PROPRIETORSHIP
JANUARY	CH – 19 ADJUSTMENTS IN PREPARATION OF FINANCIAL
	STATEMENTS

PHYSICS BOOKS:

- NCERT PHYSICS
- MODERN'S ABC OF PHYSICS
- COMPREHENSIVE PHYSICS LAB MANUAL

MONTH	CHAPTERS	PRACTICALS
APRIL	CHAPTER-2 UNITS AND MEASUREMENT CHAPTER-3 MOTION IN A STRAIGHT LINE	 TO MEASURE DIAMETER OF SMALL SPHERICAL BODIES USING VERNIER CALLIPERS. TO MEASURE DIMENSIONS OF A BODY USING SCREW GAUGE.
MAY	CHAPTER-4 MOTION IN A PLANE	>
JULY	CHAPTER-5 LAWS OF MOTION CHAPTER-6 WORK, ENERGY AND POWER	> TO FIND THE WEIGHT OF A GIVEN BODY USING PARALLELOGRAM LAW OF VECTORS.
AUGUST – SEPTEMBER	CHAPTER-8 GRAVITATION	> TO STUDY THE RELATIONSHIP BETWEEN FORCE OF LIMITING FRICTION AND NORMAL REACTION AND TO FIND THE COEFFICIENT OF FRICTION.
OCTOBER	CHAPTER-7 SYSTEM OF PARTICLES AND ROTATIONAL MOTION CHAPTER-9 MECHANICAL PROPERTIES OF SOLIDS	➤ USING A SIMPLE PENDULUM, PLOT L-T AND L-T² GRAPHS. HENCE FIND THE EFFECTIVE LENGTH OF A PENDULUM.
NOVEMBER	CHAPTER-10 MECHANICAL PROPERTIES OF FLUIDS	> TO DETERMINE THE SURFACE TENSION OF WATER BY CAPILLARY RISE METHOD.

	CHAPTER-11 THERMAL PROPERTIES OF MATTER CHAPTER-12 THERMODYNAMICS	
DECEMBER	CHAPTER-13 KINETIC THEORY CHAPTER-14 OSCILLATIONS CHAPTER-15 WAVES	➤ TO DETERMINE COEFFICIENT OF VISCOSITY OF A GIVEN VISCOUS LIQUID BY MEASURING THE TERMINAL VELOCITY OF A GIVEN SPHERICAL BODY. ➤ TO FIND FORCE CONSTANT OF A HELICAL SPRING BY PLOTTING GRAPH BETWEEN LOAD AND EXTENSION.

CHEMISTRY BOOKS PRESCRIBED:

- NCERT, CHEMISTRY
- MODERN'S ABC OF CHEMISTRY
- COMPREHENSIVE LAB MANUAL

MONTH	CHAPTERS	ACTIVITIES
APRIL	UNIT-1 SOME BASIC CONCEPTS OF CHEMISTRY	-
MAY	UNIT-2 ATOMIC STRUCTURE UNIT-3 CLASSIFICATION OF ELEMENTS AND PERIODICITY IN PROPERTIES (HALF)	> CRYSTALLIZATION
JULY	UNIT-3 CLASSIFICATION OF ELEMENTS AND PERIODICITY IN PROPERTIES (HALF) UNIT-4 CHEMICAL BONDING & MOLECULAR STRUCTURE	> VOLUMETRIC ANALYSIS
AUG-SEPT	UNIT-5 THERMODYNAMICS UNIT-7 REDOX REACTIONS	> SALT ANALYSIS
OCTOBER	UNIT-6 CHEMICAL EQUILIBRIUM	> VOLUMETRIC ANALYSIS
NOVEMBER	UNIT-8 GENERAL ORGANIC CHEMISTRY	> SALT ANALYSIS
DECEMBER	UNIT-9 HYDROCARBONS	-

BIOLOGY BOOKS:

- NCERT BIOLOGY
- DINESH TEXT BOOK
- COMPREHENSIVE PRACTICAL

MONTH	CHAPTERS	PRACTICALS
APRIL	UNIT- 1. UNIT-1 DIVERSITY IN THE LIVING WORLD CH-1 THE LIVING WORLD CH-2 BIOLOGICAL CLASSIFICATION CH-3 PLANT KINGDOM CH-4 ANIMAL KINGDOM	> STUDY AND DESCRIBE THREE LOCALLY AVAILABLE COMMON FLOWERING PLANTS ONE EACH OF THE FAMILY DESCRIBE THREE LOCALLY AVAILABLE COMMON FLOWERING PLANTS ONE EACH OF THE FAMILIES SOLANACEAE, FABACEAE AND LILIACEAE.
MAY	UNIT-II STRUCTURAL ORGANIZATION IN ANIMALS AND PLANTS CH-5 MORPHOLOGY OF FLOWERING PLANTS CH-6 ANATOMY OF FLOWERING PLANTS	 PREPARATION AND STUDY OF T.S DICOT AND MONOCOT ROOTS AND STEMS STUDY OF PLANT AND ANIMAL SPECIMENS. STUDY OF INFLORESCENCE STUDY OF DIFFERENT MODIFICATIONS.
JULY	CH-7 STRUCTURAL ORGANISATION IN ANIMALS UNIT -III CELL: STRUCTURE AND FUNCTIONS CH-8 CELL THE UNIT OF LIFE CH-9 BIO MOLECULES	 TEST FOR THE PRESENCE OF SUGAR STARCH AND PROTEINS &FATS STUDY OF DIFFERENT TISSUES THROUGH PERMANENT SLIDES.
AUGUST - SEPTEMBER	CH-10 CELL CYCLE AND CELL DIVISION UNIT-IV PLANT PHYSIOLOGY CH-11TRANSPORT IN PLANT	 STUDY OSMOSIS BY POTATO OSMOMETER. STUDY OF IMBIBITON.
OCTOBER	CH-12MINERAL NUTRITION	➤ SEPARATION OF PLANT PIGMENTS THROUGH PAPER CHROMATOGRAPHY.

	CH- 13PHOTOSYNTHESIS CH-14RESPIRATION IN PLANTS CH- 15PLANTGROWTH AND DEVELOPMENT	> STUDY OF DISTRIBUTION OF STOMATA FOR THE COMPARATIVE STUDY OF RATES OF TRANSPIRATION.
NOVEMBER	UNIT-V HUMAN PHYSIOLOGY CH-16DIGESTION AND ABSORPTION CH-17BREATHING AND EXCHANGE OF GASES CH-18 BODY FLUIDS AND CIRCULATION CH19EXCRETORY PRODUCTS AND THEIR ELIMINATION	> STUDY OF DIFFERENT HUMAN BLOOD CELLS.
DECEMBER	UNIT-V HUMAN PHYSIOLOGY CH-20 LOCOMOTION AND MOVEMENT CH-21 NEURAL CONTROL AND CO- ORDINATION CH-22CHEMICAL CO- ORDINATION AND INTEGRATION	> STUDY OF HUMAN SKELETON.

DECEMBER	CH-9 INTRODUCTION TO PYTHON MODULES IMPORTING MODULE USING 'IMPORT ' 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). CH-10 ERROR AND EXCEPTION HANDLING SYNTAX ERRORS, LOGICAL ERRORS, RUNTIME ERRORS	QUIZ ON PYTHON MODULES AND ERROR HANDLING
JANUARY	CH-12 SOCIETY, LAW AND ETHICS DIGITAL FOOTPRINTS, NET ETIQUETTES, DATA PROTECTION, CYBER CRIME, CYBER SAFETY, SAFELY ACCESSING WEBSITES, E- WASTE MANAGEMENT, IT ACT, TECHNOLOGY AND SOCIETY.	CHART MAKING ON CYBER SAFETY RULES/NETIQUETTES/DIGITAL FOOTPRINTS.
FEBRUARY	RECAPITULATION	

INFORMATIC PRACTICES(065) Book : Preeti Arora

S.No	Month	Name of the chapter/topic to be covered	Test/
			Exam
1	Apr	<u>Unit-2 (Computational Thinking and Programming -1)</u>	
		Chapter -2: Getting Started with Python Introduction to Problem solving: Introduction to problem solving: Steps for problem solving (analyzing the problem, developing an algorithm, coding, testing and debugging).representation of algorithms using flow chart and pseudo code, decomposition. Familiarization with the basics of Python programming: Introduction to Python, features of Python, executing a simple "helloworld" program, execution modes: interactive mode and script mode	Class Test Oral Test
		Chapter-3: Python Programming Fundamentals	
		Python character set, Python tokens(keyword, identifier,	
		literal, operator, punctuator), variables, use of comments	

6	Oct	UNIT- III Chapter -7: Database concepts Database Concepts: Introduction to database concepts and its need, Database Management System. Relational data model:	Class Test
5	Sep	Chapter –6: Dictionary Dictionary: Dictionary: introduction, accessing items in a dictionary using keys, mutability of a dictionary (adding a new term, modifying an existing item), traversing a dictionary, built-in functions/methods – len(), dict(), keys(), values(), items(), get(), update(), del(), 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.	Class Test Mid-Term
4	Aug	Chapter -5: List in Python Lists: introduction, indexing, list operations(concatenation, repetition, membership & slicing),traversing a list using loops, built-in functions: 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	Class Test Oral Test
3	Jul	Chapter -4: Conditional Statement and looping Construct Conditional statements: if, if-else, if-elif-else, flowcharts, simple programs: e.g.: absolute value, sort 3 numbers and divisibility of a number Iterative statements: for loop, range function, while loop, flowcharts, break and continue statements, nested loops, suggested programs: generating pattern, Summation of series, finding the factorial of a positive number etc	Class Test Oral Test
2	May	Continue precedence of operators, expression, evaluation of expression, python statement, type conversion (explicit& implicit conversion), accepting data as input from the console and displaying output Errors: syntax errors, logical errors, runtime errors Flow of control: introduction, use of indentation, sequential flow, conditional and iterative flow control	Class Test PT - 1
		Knowledge of data types: number (integer, floating point, complex),boolean,sequence(string,list,tuple),none,mapping(d ictiona ry),mutable and immutable data types Operators: arithmetic operators, relational operators, logical operators, assignment operator, augmented assignment operators, identity operators (is, is not),membership operators(in, not in) Expressions, statement, type conversion & input/output:	

		Concept of domain, tuple, relation, candidate key, primary key, alternate key Chapter – 8:Structured Query Language Advantages of using Structured Query Language, Data Definition Language, Data Query Language and Data Manipulation Language, Introduction to MySQL, creating a database using MySQL, Data Types Data Definition: CREATE DATABASE, CREATE TABLE, DROP, ALTER Data Query: SELECT, FROM, WHERE with relational operators, BETWEEN, logical operators, IS NULL, IS NOT NULL	
_		Data Manipulation: INSERT, DELETE, UPDATE	DIE 4
7	Nov	Continue Data Query: SELECT, FROM, WHERE with relational operators, BETWEEN, logical operators, IS NULL, IS NOT NULL Data Manipulation: INSERT, DELETE, UPDATE	PT-2
8	Dec	Unit-1 Chapter 1-Computer Systems Introduction to computer and computing: evolution of computing devices, components of a computer system and their interconnections, Input/output devices. Computer Memory: Units of memory, types of memory – primary and secondary, data deletion, its recovery and related security concerns. Software: purpose and types—system and application software, generic and specific purpose software. UNIT – IV Chapter – 9: Emerging Trends Artificial Intelligence, Machine Learning, Natural Language Processing, Immersive experience (AR, VR), Robotics, Big data and its characteristics, Internet of Things (IoT), Sensors, Smart cities, Cloud Computing and Cloud Services (SaaS, IaaS, PaaS); Grid Computing, Block chain technology.	
9	Jan	Revision, Practical File and Project File Collection	

COMPUTER SCIENCE(083)

Book : Preeti Arora

S.No	Month	Name of the chapter/topic to be covered	Test/
			Exam
1	Apr	Unit-2 (Computational Thinking and Programming -1)	
		Chapter -3: Getting Started with Python	Class Test
		Introduction to Problem solving: Introduction to problem solving: Steps for problem solving (analyzing the problem, developing an algorithm, coding, testing and debugging).representation of algorithms using flow chart and pseudo code, decomposition. Familiarization with the basics of Python programming:	Oral Test

		Introduction to Python, features of Python, executing a simple "helloworld" program, execution modes: interactive mode and script mode Chapter-4: Python Programming Fundamentals Python character set, Python tokens(keyword, identifier, literal, operator, punctuator), variables, use of comments Knowledge of data types: number (integer, floating point, complex),boolean,sequence(string,list,tuple),none,mapping(dictiona ry),mutable and immutable data types Operators: arithmetic operators, relational operators, logical operators, assignment operator, augmented assignment operators,	
2	May	identity operators (is, isnot),membership operators(in, notin) Expressions, statement, type conversion & input/output: Continue	Class Test
		precedence of operators, expression, evaluation of expression, python statement, type conversion (explicit& implicit conversion), accepting data as input from the console and displaying output Errors: syntax errors, logical errors, runtime errors Flow of control: introduction, use of indentation, sequential flow, conditional and iterative flow control	PT - 1
3	Jul	Chapter -5 : Conditional Statement and looping Construct Conditional statements: if, if-else, if-elif-else, flowcharts, simple programs: e.g.: absolute value, sort 3 numbers and divisibility of a number Iterative statements: for loop, range function, while loop, flowcharts, break and continue statements, nested loops, suggested programs: generating pattern, Summation of series, finding the factorial of a positive number etc	Class Test Oral Test
		Chapter – 6: Strings in Python Strings: introduction, indexing, string operations(concatenation, repetition, membership & slicing), traversing a string using loops, built-in functions: len (),capitalize(),title(),lower(),upper(),count(),find(),index(),ends with(), startswith(), isalnum (), isalpha (), isdigit (), islower (), isupper (), isspace (), lstrip (), rstrip (),strip(), replace(),join(), partition(),split()	
4	Aug	Chapter -7: List in Python Lists: introduction, indexing, list operations(concatenation, repetition, membership & slicing),traversing a list using loops, built-in functions: 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	Class Test Oral Test

5	Sep	Chapter -8: Tuples and Dictionary	Class Test
3	БСР	Tuples- introduction, indexing, tuple operations	Class Test
		(concatenation, repetition, membership&slicing), built-	Mid-Term
		infunctions: len(),tuple(),count(), index(), sorted(), min(),	Mid-Teliii
		max(), sum(); tuple assignment, nestedtuple, suggested	
		programs: finding the minimum, maximum,mean of values	
		stored in a tuple; linear search on a tuple of numbers, counting	
6	Oct	the frequency of elements in a tuple	Class Test
0	Oct	Dictionary: Dictionary: introduction, accessing items in a dictionary using keys, mutability of a dictionary (adding a new	Class Test
		term, modifying an existing item), traversing a dictionary,	
		built-in functions/methods – len(), dict(), keys(), values(),	
		items(), get(), update(), del(), 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.	
		Chapter 9- Introduction to Python modules	
		Importing module using 'import' and using from statement,	
		importing math module (pi, e, sqrt(), ceil(), floor(), pow(),	
		fabs(), sin(), cos(), tan()); random module (random(), randint(),	
-	N.T.	randrange()), statistics module (mean(), median(), mode()).	DE A
7	Nov	Unit III:	PT-2
		Chapter 10 : Society, Law and Ethics	
		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	
8	Dog	Unit-1	
O	Dec	Chapter 1-Computer Systems and Organisation	
		Basic Computer Organisation: Introduction 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 &interpreter), application software Operating	
		system(OS): functions of operating system, OS user interface	
		Boolean Logic: NOT, AND, OR, NAND, NOR, XOR, truth	
		table, DeMorgan's laws and logic circuits Number system:	
		Binary, Octal, Decimal and Hexadecimal number system;	
		Binary, Octai, Decimal and nexadecimal number system;	

		conversion between number systems. Encodingschemes: ASCII,ISCIIand UNICODE(UTF8,UTF32)	
9	Jan	Revision, Practical File and Project File Collection	