Introduction to Accounting (7 marks)
Accounting- meaning, objectives, Accounting as source of information, internal and external users of Accounting information and their needs.
Qualitative characteristics of Accounting information-reliability, relevance, understandability and comparability.
Basic Accounting Terms - Asset, Liability, Capital, Expense, Income, Expenditure, Revenue, Debtors, Creditors, Goods, Cost, Gain, Stock, Purchase, Sales, Loss, Profit, Voucher, Discount, Transaction, Drawings.

Chapter 2
Theory Base of Accounting (7 marks)
Accounting Principles - meaning and nature Accounting Concepts: Entity, Money Measurement, Going Concern, Accounting Period, Cost Concept, Dual Aspect, Revenue Recognition (Realisation), Matching, Accrual, Full Disclosure, Consistency, Conservatism, Materiality
Accounting Standards- Concept
Process of accounting-from recording of business transactions to preparation of trial balance.
Bases of Accounting - Cash Basis, Accrual Basis

Chapter 3
Recording of Business Transactions (16 marks)

Chapter 4

Chapter 5
Bank Reconciliation Statement: Meaning, Need and Preparation, Corrected Cash Book Balance

Chapter 6
Trial Balance and Rectification of Errors (8 marks)
Trial Balance: meaning, objectives and preparation.
Errors: Types of Errors: Errors of omission, commission, principles and compensating errors affecting Trial Balance; errors not affecting Trial Balance.
Detection and Rectification of Errors (One Sided and Two Sided); use of Suspense Account.

Chapter 7
Depreciation, Provisions and Reserves (12 marks)
Depreciation: Meaning and need for charging depreciation, factors affecting depreciation, methods of depreciation-Straight Line method, Written Down Value method (excluding change in method), Method of recording depreciation-charging to asset account, creating provision for depreciation/accumulated depreciation account; Treatment of disposal of asset.
Provisions and Reserves: meaning, importance, difference between Provisions and Reserves, types of Reserves: Revenue Reserve, Capital Reserve, General Reserve, Specific Reserve and Secret Reserves.

Chapter 8
**Accounting for Bills of Exchange Transactions** (10 marks)
Bills of exchange and Promissory Note: definition, features, parties, specimen and distinction.
Important Terms: Term of Bill, Accommodation Bill, Days of Grace, Date of Maturity, Bill at Sight, Negotiation, Endorsement, Discounting of Bill, Dishonour, Retirement and Renewal of a Bill.
Accounting treatment of trade bills and accommodation bills.

Chapter 9
**Financial Statements** (25 marks)
Financial statements: meaning and users.
Capital Expenditure and Deferred Revenue Expenditure Trading and Profit and Loss Account: Gross Profit, Operating and net profit.
Adjustments in preparation of financial statements with respect to closing stock, outstanding expenses, prepaid expenses, accrued Income, Income received In advance, depreciation and bad debts, provision for doubtful debts, provision for discount on debtors, manager's commission.
Preparation of Trading and Profit & Loss Account and Balance Sheet of sole proprietorship.

Chapter 10
**Accounts from incomplete records** (5 marks)
Incomplete records : meaning, uses and limitations. Ascertainment of profit/loss by statement of affairs method, conversion method.

Chapter 11
**Computers in Accounting** (6 marks)
Introduction to Computer and Accounting Information System (AIS)
Applications of computers in accounting: - Automation of accounting process, designing accounting reports, MIS reporting, data exchange with other information systems
Comparison of accounting processes in manual and computerized accounting, highlighting advantages and limitations of automation
Sourcing of accounting system: readymade and customized and tailor-made accounting system. Advantages and disadvantages of each option.

Chapter 12
**Accounting and Database System** (4 marks)
Accounting and Database Management System
Concept of entity and relationship: entities and relationships in an Accounting System: designing and creating simple tables, forms, queries and reports in the context of Accounting
SECOND TERM

**Depreciation, Provisions and Reserves** (20 marks)
Depreciation: Meaning and need for charging depreciation, factors affecting depreciation, methods of depreciation-Straight Line method, Written Down Value method (excluding change in method), Method of recording depreciation-charging to asset account, creating provision for depreciation/accumulated depreciation account; Treatment of disposal of asset.
Provisions and Reserves: meaning, importance, difference between Provisions and Reserves, types of Reserves: Revenue Reserve, Capital Reserve, General Reserve, Specific Reserve and Secret Reserves.

**Accounting for Bills of Exchange Transactions** (15 marks)
Bills of exchange and Promissory Note: definition, features, parties, specimen and distinction.
Important Terms: Term of Bill, Accommodation Bill, Days of Grace, Date of Maturity, Bill at Sight, Negotiation, Endorsement, Discounting of Bill, Dishonour, Retirement and Renewal of a Bill.
Accounting treatment of trade bills and accommodation bills.

**Financial Statements** (WITHOUT ADJUSTMENT) (15 marks)
Financial statements: meaning and users.
Capital Expenditure and Deferred Revenue Expenditure Trading and Profit and Loss Account: Gross Profit, Operating and net profit.
FIRST TERM

**Introduction to Accounting** (12 marks)
Accounting - meaning, objectives, Accounting as source of information, internal and external users of Accounting information and their needs.
Qualitative characteristics of Accounting information - reliability, relevance, understandability and comparability.
Basic Accounting Terms - Asset, Liability, Capital, Expense, Income, Expenditure, Revenue, Debtors, Creditors, Goods, Cost, Gain, Stock, Purchase, Sales, Loss, Profit, Voucher, Discount, Transaction, Drawings.

**Theory Base of Accounting** (12 marks)
Accounting Principles - meaning and nature
Accounting Concepts: Entity, Money Measurement, Going Concern, Accounting Period, Cost Concept, Dual Aspect, Revenue Recognition (Realisation), Matching, Accrual, Full Disclosure, Consistency, Conservatism, Materiality
Accounting Standards - Concept
Process of accounting - from recording of business transactions to preparation of trial balance.
Bases of Accounting - Cash Basis, Accrual Basis

**Recording of Business Transactions** (76 marks)

**Bank Reconciliation Statement**: (12 MARKS)
Meaning, Need and Preparation, Corrected Cash Book Balance
UNIT WISE WEIGHTAGE (as per CBSE)

I. DIVERSITY OF LIFE 7
II. STRUCTURAL ORGANISATION OF PLANTS AND ANIMALS 12
III. CELL: Structure and Function 15
IV. PLANT PHYSIOLOGY 18
V. ANIMAL PHYSIOLOGY 18

70

TERM WISE SYLLABUS

TERM I  APRIL-SEPTEMBER

1. Morphology of Plants 15
2. Anatomy of Flowering Plants 15
3. Structural Organization of Animals (up to Animal Tissues) 10
4. Cell: Structure and Function 10
5. Cell Division 10
6. Biomolecules 10

TERM II  OCTOBER –DECEMBER

1. Transport in Plants 10
2. Mineral Nutrition 10
3. Digestion and Absorption 7
4. Breathing and Exchange of Gases 7
5. Body Fluids and Circulation 8
6. Excretory Products and their Elimination 8
TERM-1

UNIT 1: COMPUTER FUNDAMENTALS
Evolution of computers; Basics of computer and its operation: Functional Components and their interconnections, concept of Booting.

Software Concepts:
Types of Software - System Software, Utility Software and Application Software;
System Software: Operating System, Compilers, Interpreters and Assembler;
Utility Software : Anti Virus, File Management tools, Compression tools and Disk Management tools (Disk Cleanup, Disk Defragmenter, Backup);
Application Software as a tool: Word Processor, Presentation tools, Spreadsheet Package, Database Management System; Business software (for example: School Management System, Inventory Management System, Payroll System, Financial Accounting, Hotel Management, and Reservation System);

Operating System: Need for operating system, Functions of Operating System (Processor Management, Memory Management, File Management and Device Management), Types of operating system – Interactive (GUI based), Time Sharing, Real Time and Distributed; Commonly used operating systems: LINUX, Windows, BhartiOO, Solaris, UNIX;
Illustration and practice of the following tasks using any one of the above Operating Systems:
• Opening / Closing Windows
• Creating / Moving / Deleting Files / Folders
• Renaming Files / Folders
• Switching between Tasks

Number System: Binary, Octal, Decimal, Hexadecimal and conversion between two different number systems;

Internal Storage encoding of Characters: ASCII, ISCII (Indian scripts Standard Code for Information Interchange), and UNICODE;

Microprocessor: Basic concepts, Clock speed (MHz, GHz), 16 bit, 32 bit, 64 bit processors; Types
– CISC, RISC;

Memory Concepts:
Units: Byte, Kilo Byte, Mega Byte, Giga Byte, Tera Byte, Peta Byte
Primary Memory: Cache, RAM, ROM,
Secondary Memory: Hard Disk Drive, CD/DVD Drive, Pen Drive, Blue Ray Disk;

UNIT 2: PROGRAMMING METHODOLOGY

General Concepts; Modular approach; Clarity and Simplicity of Expressions, Use of proper Names for identifiers, Comments, Indentation; Documentation and Program Maintenance;
Running and Debugging programs, Syntax Errors, Run-Time Errors, Logical Errors;

Problem Solving Methodology and Techniques: Understanding of the problem, Identifying minimum number of inputs required for output, Step by step solution for the problem, breaking down solution into simple steps, Identification of arithmetic and logical operations required for solution, Using Control Structure: Conditional control and looping (finite and infinite);

UNIT 3: INTRODUCTION TO C++

Getting Started:
C++ character set, C++ Tokens (Identifiers, Keywords, Constants, Operators), Structure of a C++ Program (include files, main function); Header files – iostream.h, iomanip.h; cout, cin;
Use of I/O operators (<< and >>), Use of endl and setw(), Cascading of I/O operators, Error Messages; Use of editor, basic commands of editor, compilation, linking and execution; standard input/output operations from C language: gets(), puts() of stdio.h header file;

Data Types, Variables and Constants:
Concept of Data types; Built-in Data types: char, int, float and double; Constants: Integer Constants, Character Constants (Backslash character constants - \n, \t), Floating Point Constants, String Constants; Access modifier: const; Variables of built-in data types, Declaration/
Initialisation of variables, Assignment statement; Type modifier: signed, unsigned, long;

**Operators and Expressions:**
Operators: Arithmetic operators (-,+,\*,/,\%), Unary operator (-), Increment and Decrement Operators (++,--), Relational operators (>,>=,<,<=,==,!=), Logical operators (!, &&, ||), Conditional operator: <condition>?<if true>:<else>; Precedence of Operators; Expressions; Automatic type conversion in expressions, Type casting; C++ shorthand’s (+=, -=, *=, /=, \%=);

**UNIT 4: PROGRAMMING IN C++**

**Flow of control:**
Conditional statements: if-else, Nested if, switch..case..default, Nested switch..case, break statement (to be used in switch..case only); Loops: while, do - while , for and Nested loops;

**String Functions:**
Header File: string.h
Function: isalnum(), isalpha(), isdigit(), islower(), isupper(), tolower(), toupper();

**Character Functions:**
Header File: ctype.h
Functions: isalnum(), isalpha(), isdigit(), islower(), isupper(), tolower(), toupper(), strcpy(), strcat(), strlen(), strcmp(), strcmpi();

**Mathematical Functions:**
Header File-math.h, stdlib.h;
Functions: fabs(), log(), log10(), pow(), sqrt(), sin(), cos(), abs();

**Other Functions:**
Header File- stdlib.h;
Functions: randomize(), random();

**TERM-II**

**User Defined Functions:**
Defining a function; function prototype, Invoking/calling a function, passing arguments to function,
specifying argument data types, default argument, constant argument, call by value, call by reference, returning values from a function, calling functions with arrays, scope rules of functions and variables; local and global variables;

**Structured Data Type: Array**
Declaration/initialization of One-dimensional array, Inputting array elements, Accessing array elements, Manipulation of Array elements (sum of elements, product of elements, average of elements, linear search, finding maximum/minimum value);
Declaration/Initialization of a String, string manipulations (counting vowels/consonants/digits/special characters, case conversion, reversing a string, reversing each word of a string);

**Two-dimensional Array**: 
Declaration/initialisation of a two-dimensional array, inputting array elements Accessing array elements, Manipulation of Array elements (sum of row element, column elements, diagonal elements, finding maximum/minimum values);

**User-defined Data Types**
Need for User defined data type:
Defining a symbol name using typedef keyword and defining a macro using #define directive;

**FINAL TERM**

**Structures:**
Defining a Structure, Declaring structure variables, Accessing structure elements, Passing structure of Functions as value and reference argument/parameter, Function returning structure, Array of structures, passing an array of structure as an argument/ a parameter to a function.
Detailed Distribution of Marks for Informatics practices

Syllabus – Class XI
Year 2010-2011

Term 1: 70 Marks

Unit I: 20 Marks

1. Hardware concepts  8 marks
   - Computer organization
   - I/O devices
   - Memory Devices
     USB Drive, Memory cards

2. Software concepts  12 marks
   - Types of S/w
   - O/S
   - Security of Systems

Unit II: 50 Marks (JAVA)

1. Getting started with programming using IDE  10 marks
   - About Java
   - RAD
   - Familiarization of IDE using basic Interface components;
     Basic component handling methods/attributes

2. Programming fundamentals  10 marks
   - Character set, Tokens
   - Data Types
   - Variables and constants
   - Operators and expressions
   - Classes and methods

3. Flow of control  10 marks
   - Selection statements
   - Iteration statements – for loop, while and do..while loop
   - Jump statements

4. Java GUI programming using Swing controls  20 marks
**Term 3 : 70 marks**

**Unit 1 : 10 marks**
1. Computer System organization 5 marks
   Types, I/O and memory devices
2. Software concepts 5 marks
   Types of S/w
   Classification of Programming Lang.

**Unit II : 30 marks**
1. Java Theory 5 marks
2. Java practical based questions 25 marks

**Unit III : 30 Marks**
1. DBMS Concepts (theory) 5 Marks
   - Database concepts
   - Introducing MySQL
2. MySQL statements using single table 20 marks
   - MySQL functions
   - Data manipulation commands
3. IT applications 5 marks

AIS, Noida    AIS, Saket    AIS, 43 Gurgaon    AIS, 46 Gurgaon
TERM 1
INDIAN ECONOMY
CHAPTER 1-INDIAN ECONOMY ON THE EVE OF INDEPENDENCE
CHAPTER 2- INDIAN ECONOMY -1950-1990
CHAPTER 3-ECONOMIC REFORMS SINCE 1991

STATISTICS FOR ECONOMICS
CHAPTER 1 AND CHAPTER 2 –INTRODUCTION
CHAPTER-3 COLLECTION OF DATA
CHAPTER-4 ORGANISATION OF DATA
CHAPTER-5 AND CHAPTER 6 -PRESENTATION OF DATA
CHAPTER-7,8,9 –MEASURES OF CENTRAL TENDENCY

TERM-2
INDIAN ECONOMY
CHAPTER 4-POVERTY
CHAPTER 5- HUMAN CAPITAL FORMATION
CHAPTER 6-RURAL DEVELOPMENT

STATISTICS FOR ECONOMICS
CHAPTER 10- MEASURES OF DISPERSION

FINAL TERM
INDIAN ECONOMY

ALL THE CHAPTERS IN NCERT BOOK

STATISTICS FOR ECONOMICS

ALL THE CHAPTERS IN N.M.SHAH BOOK
### First Term

<table>
<thead>
<tr>
<th>S.No</th>
<th>Name of the Chapter</th>
<th>S.No</th>
<th>Name of the chapter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>The Portrait of a Lady (H)</td>
<td>12.</td>
<td>Letter to The Editor (WR)</td>
</tr>
<tr>
<td>2.</td>
<td>Photograph (H)</td>
<td>13.</td>
<td>Report Writing (WR)</td>
</tr>
<tr>
<td>3.</td>
<td>Summer of the Beautiful White Horse(S)</td>
<td>14.</td>
<td>Article Writing (WR)</td>
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<tr>
<td>4.</td>
<td>We’re not afraid to Die……..(H)</td>
<td>15.</td>
<td>Note-Making (RS)</td>
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<tr>
<td>5.</td>
<td>Discovering Tut (H)</td>
<td>16.</td>
<td>Comprehension (RS)</td>
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<tr>
<td>6.</td>
<td>Laburnum Top (H)</td>
<td>17.</td>
<td>Factual Description (WR)</td>
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<tr>
<td>7.</td>
<td>Address (S)</td>
<td>18.</td>
<td>Tenses (G)</td>
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<td>8.</td>
<td>Landscape of the Soul (H)</td>
<td>19.</td>
<td>Modals (G)</td>
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<td>9.</td>
<td>Voice of The Rain (H)</td>
<td>20.</td>
<td>Determiners (G)</td>
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<td>10.</td>
<td>Ranga's Marriage (S)</td>
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<td>11.</td>
<td>Ailing Planet (S)</td>
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### Second Term

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<tbody>
<tr>
<td>1.</td>
<td>Albert Einstein at School (S)</td>
<td>7.</td>
<td>Speech (WR)</td>
</tr>
<tr>
<td>2.</td>
<td>Browning version (H)</td>
<td>8.</td>
<td>All Business Letters (WR)</td>
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<td>3.</td>
<td>Mother’s Day (S)</td>
<td>9.</td>
<td>Job Application (WR)</td>
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<tr>
<td>4.</td>
<td>Childhood (H)</td>
<td>10.</td>
<td>Clauses (G)</td>
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<tr>
<td>5.</td>
<td>Adventure (H)</td>
<td>11.</td>
<td>Grammar Revision</td>
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<tr>
<td>6.</td>
<td>The Ghat of the Only World (S)</td>
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### Final Term

<table>
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<tr>
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<tbody>
<tr>
<td>1.</td>
<td>Father to Son (H)</td>
</tr>
<tr>
<td>2.</td>
<td>Birth (S)</td>
</tr>
<tr>
<td>3.</td>
<td>Silk Road(H)</td>
</tr>
<tr>
<td>4.</td>
<td>Tale of the Melon City(S)</td>
</tr>
<tr>
<td>5.</td>
<td>Writing Skills Revision</td>
</tr>
<tr>
<td>6.</td>
<td>Comprehension Revision</td>
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<tr>
<td>7.</td>
<td>Note- making Revision</td>
</tr>
</tbody>
</table>
Term 1

1. Concept of Home Science
2. Know myself – Understanding Adolescents
3. Cognitive Development among adolescents
4. Social and emotional development during adolescence
5. Heredity and Environment
6. Problems of Adolescents
7. Preparing for career
8. Population Education
9. Nutrition for self and family
10. Role of Nutrients: Proteins, Carbohydrates and Fats

Term 2

11. Vitamins
12. Minerals
13. Food groups and Balanced diet
14. Selection and storage of foods
15. Principles and reasons of cooking food
16. Food preservation

Term 3

17. My resources
18. Management Process and Decision making
19. Management of Time and Energy
20. Organization of space and Work at home
21. Work Ethics
22. An introduction to fiber science
23. Yarn making and fabric construction
24. Fabric finishes
Term wise Syllabus of class XI : Physical Education

1st Term { Part A }
Unit I  Concept of physical education.
Unit II Careers aspects in physical education.
Unit III Health concept in physical education.
Unit IV Olympic movement.

Part B

Unit I  Games and Sports i.e History, rules, measurements of field/equipments, tournaments and venues, sports personalities, sports gears & their importance.
Unit II Fundamentals skills, specific exercises of warming up and conditioning, Sports terminologies, sports awards, common sports injuries& its prevention, CBSE sports & its organizational set up.
Marks : Theory 50+20 and Practical 30  Total : 100

2nd Term  {Part A}  Marks : 50
Unit V  Sociological aspect of physical education.
Unit VI  Test and measurement in physical education and sports.
Unit VII Physiological aspects of physical education.
Unit VIII Changing trends in physical education.

Final Term : Complete syllabus Part A & B plus practical  Total marks: 50+20+30=100
## Amity International School
### Subject-Chemistry
### Syllabus for Term-1 (April-September)

<table>
<thead>
<tr>
<th>SLNO</th>
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<tbody>
<tr>
<td>1</td>
<td>Structure of Atom</td>
</tr>
<tr>
<td>2</td>
<td>Classification of the elements and periodicity in properties</td>
</tr>
<tr>
<td>3</td>
<td>Chemical Bonding</td>
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<tr>
<td>4</td>
<td>Basic concepts of Chemistry</td>
</tr>
<tr>
<td>5</td>
<td>Redox</td>
</tr>
<tr>
<td>6</td>
<td>States of Matter (Evaluative till ideal gas eq. to be included numerical )</td>
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### Syllabus for Term-2 (October-December)

<table>
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<tbody>
<tr>
<td>1</td>
<td>States of Matter</td>
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<td>2</td>
<td>Hydrogen</td>
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<td>3</td>
<td>S-Block</td>
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<tr>
<td>4</td>
<td>Thermodynamics</td>
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### FINAL TERM

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<td>General organic Chemistry</td>
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# Amity International School
## Subject-Physics
### Syllabus for Term-1

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<td>Kinematics</td>
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<tr>
<td>3</td>
<td>Laws of Motion</td>
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<td>4</td>
<td>Work Energy and power</td>
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### Syllabus for Term-2

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<tr>
<td>1</td>
<td>Gravitations</td>
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<tr>
<td>2</td>
<td>Rotational Motion</td>
</tr>
<tr>
<td>3</td>
<td>Properties of Bulk Matter</td>
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<td>4</td>
<td>Kinetic Theory of gases</td>
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<td>Motion of system of practical and rigid Body</td>
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<td>6</td>
<td>Gravitations</td>
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<td>7</td>
<td>Properties of Bulk Matter</td>
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<td>Thermodynamics</td>
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<td>9</td>
<td>Behavior of perfect gas and Kinetic Theory of gases</td>
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<tr>
<td>10</td>
<td>Oscillations and Waves</td>
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</tbody>
</table>
Planning for Syllabus of Mathematics
Class XI

**FIRST TERM (April-September)**

(1) SETS
(2) RELATIONS AND FUNCTIONS
(3) TRIGONOMETRIC FUNCTIONS
(4) PRINCIPLE OF MATHEMATICAL INDUCTION
(5) LINEAR INEQUALITIES
(6) SEQUENCES AND SERIES
(7) STATISTICS

**SECOND TERM (October -December)**

(1) COMPLEX NUMBERS AND QUADRATIC EQUATIONS
(2) PERMUTATIONS AND COMBINATIONS
(3) BINOMIAL THEOREM
(4) STRAIGHT LINES
(5) CONIC SECTIONS
(6) INTRODUCTION TO THREE DIMENSION GEOMETRY

**THIRD TERM**

COMPLETE BOOK
1st Term

1. Pre historic Rock Paintings
2. Art of Indus Valley
3. Buddhist, Jain and Hindu Art
4. Ajanta Cave Paintings

2nd Term

1. Temple Sculptures of India
2. Indian Bronzes
3. 1st Term Syllabus(same ratio)

3rd Term

1. Indo Islamic Monuments
2. Temple Sculptures of India
3. Indian Bronzes
4. Buddhist, Jain and Hindu Art
5. Ajanta Cave Paintings
6. Pre historic Rock Paintings
7. Art of Indus Valley