SYLLABUS FOR TERM- II
CLASS-XI

SUBJECT- MATHEMATICS

Book	Unit No.	Chapter No.	Chapter Name
Text Book for Physics(NCERT)	I	1	Sets
		2	Relations and functions
		3	Trigonometric functions
	II	4	Principle of mathematical induction
		5	Complex Number
		6	Linear in equations
		7	Permutations and combination
		8	Binomial theorem
		9	Sequences and series
	III	10	Straight line

Note:- 15% from 1st Term (Ch. -1,2,3,4)

SUBJECT- CHEMISTRY

Theory:-

Book	Unit No.	Chapter Name	Marks
Text Book of Chemistry (NCERT)	1	Some Basic Concept Chemistry	15 Marks
	2	Atomic structure	
	3	Periodic Classification of elements	
	4	Chemical Bonding	
	5	State of Matters	55 Marks
	6	Thermodynamic	
	7	Equilibrium	
	8	Redox Reaction	

Practical:- Titration ,Salt Analysis, Record, Viva

SUBJECT- BIOLOGY

Theory:-

Book	Unit No.	Chapter No.	Chapter Name
Text Book for Biology (NCERT)	II	6	Anotomy of flowering plants
		7	Structural organization in animals
		8	Cell- The unit of life
		9	Biomolecules
	III	10	Cell cycle & cell division
	IV	11	Transport in plants
		13	Photosynthesis in higher plants
		15	Plant- growth and development

Practical:-

1. Study of osmosis by potato osmometer.
2. Preparation and study of dicot and monocot root and stem.
3. Study of external morphology of cockroach through virtual images/ models.
4. Study of plant and animal tissue(Parenchyma,Collenchyma,sclerenchyma,Xylem,Phloem,mammalian blood smear,muscle fibre.)

SUBJECT- COMPUTER SCIENCE

Theory:-

Book	Unit No.	Chapter No.	Chapter Name
computer Science with C++ by Sumita Arora	III	5	General OOP concepts
		6	Getting started with C++
	II	7	Data Handling
		8	Operators & Expressions
		9	C++ as per C++ Second Standard
	IV	10	Flow of control
		11	Functions
		12	Structured data type: Array
		13	Structures
		14	Programming methodology

List of Programs for Practical

1   Write a c++ program that input's a student's marks in five subjects(out of 100) and print the percentage
2   To convert given number of days into years, weeks and days
3   To find minimum of three numbers using conditional operator
4   Write a program to print the largest of three numbers.(only if)
5   Write a program to display the name of the month depends upon the number (between 1-12) be enter by the user.(switch)
6   Write a program to check whether a entered year is leap year or not.
7   Write a program to print the Fibonacci series of specified terms (0 1 1 2 3 5 ………)
8   Write a program to find sum of all the digits of a given number.(while)
9   Write a program to check whether the number is prime or not.
10   Write a program to check whether a number is palindrome or not.
11   Find GCD and LCM of two numbers
12   Write a program to print the given figure:
                                    *
                                  * * *
                                * * * * *
13   Write a program to print the given figure A A B A B C A B C D

14   To swap two numbers (call by reference)

15	Write a program to find the largest and smallest element in a vector
16	Write a program to arrange the array elements in ascending order.
17	Write a program to search a specified element in a given array.
18	To find largest element of an Array (using function)
19	To check if a string is a palindrome or not
20	To count number of words, characters, vowels in a given string
21	Write a program to add two matrices.
22	Write a program to find the product of two matrices.
23	Write a program to make a structure of student with the following details. (Name, Age, Class, Marks, Average, Result)& Get Input from the user for the data Name, Age, Class Marks and Find the average & result of the student if average>=40 result 'P' if not result 'F'

SUBJECT- PHYSICAL EDUCATION

Theory:-

Book	Unit No.	Chapter Name
Candid	1	Changing Trends & Carrier in Physical Education
	2	Physical fitness , wellness and lifestyle
	3	Olympic Movement
	4	Yoga
	5	Doping
	6	Physical Activity Environment
	7	Test and Measurement in Sports
	8	Fundamentals of Anatomy and Physiology

Note :- 15% to 20% from 1st Term (1,2,3,4)

PRACTICAL

01. Physical Fitness – AAHPER
02. Athletics – Any two events – Sprints and Jumps
03. Health and Fitness Activities – Rope Skipping
04. Skill of any one individual Game of your choice
05. Viva
06. Record File

SUBJECT- PHYSICS

Book	Unit No.	Chapter Name
Pradeep's Fundamental PHYSICS	I	Physical world and Measurement
	II	Kinematics
	III	Laws of Motion
	IV	Work, Energy and Power

	V	Motion of System of Particles
	VI	Gravitation
	VII	Properties of Bulk Matter
	VIII	Thermodynamics

Practical-

1. To determine the diameter of any spherical object by using Vernier caliper and Screw gauge..
2. To determine the depth of a vessel by using Vernier caliper.
3. To object by using screw gauge.
4. To determine radius of curvature of a given spherical surface by a spherometer.
5. To determine the mass of two different objects using a beam balance.
6. To find the weight of a given body using parallelogram law of vectors.
7. Using a simple pendulum, plot L-T and L-T2 graphs.
   Hence find the effective length of second's pendulum using Appropriate graph.
8. To find the force constant of a helical spring by plotting a graph between load and extension.
9. To determine the coefficient of viscosity of a given viscous liquid by measuring terminal velocity of a given spherical body.
10. To study the relationship between the temperature of a hot body and time by plotting a cooling curve.

SUBJECT- ACCOUNTS

Book	Unit No.	Chapter No.	Chapter Name
Double Entry Book Keeping by T. S. Grewal	II	8	Journal and Ledger
		9	Cash Book
		11	Bank Reconcilation Srtatement
		12	Trial Balance
		13	Depreciation
		14	Provision and Reserves
		15	Accounting for Bills of Exchange

Practical –

• Specimen of Voucher ,cheque, Pass Book, Pay in slip' Invoice, Cash memo

SUBJECT- BUSINESS STUDIES

Theory:-

Book	Unit No.	Unit No.	Chapter Name
Business		3	Private, Public, and global Enterprises

		4	Business Services
Studies by Sandeep Garg		5	Emerging modes of Business
		6	Social Responsibility of Business and Business ethics

Practical –

- Students will prepare project on Advertisement,Banking,Insurance.

SUBJECT- ECONOMICS

Book	Unit No.	Unit Name
Statistics for Economics	II	1. Tabular 2. Diagrammatic Presentation 3. Graphic Presentation
	III	Statistical tools and Interpretation 1. Measurement of Central Tendency –Arithmetic mean
Indian economic development	V	Indian economy (1950-1990)
	VI	Economic reforms since 1991
	VII	Poverty

SUBJECT-ENGLISH

Book	Topic
Hornbill	Chapter-4 The Voice of the Rain ,Chapter-5 The Ailing Planet: the Green Movement's Role, Chapter-6- The Browning Version & Childhood, Chapter-8 Father to Son
Snapshot/Supp Reader	Chapter-3 Ranga's Marriage, Chapter-4, Albert Einstein at School,Chapter-5 Mother's Day, Chapter-7 Birth, Chapter-8 The Tale of Melon City

Writing Skills	Letter Writing, Business & Official Letters (For making Inquiries, registering Complaints, asking for & Giving Information, Report Writing, Summarizing.
Grammar	Rearranging Jumble Words and Phrases, Editing Passages Error Correction.

SUBJECT- HINDI

किताब का नाम	पाठ संख्या	पाठ का नाम
आरोह	4	विदाई संभाषण
(गद्य खंड)	5	गलता लोहा
	6	स्पीती में बारिश

किताब का नाम	पाठ संख्या	पाठ का नाम
आरोह	14	पथिक
(काव्य खंड)	15	वे आँखे
	16	घर की याद

किताब का नाम	पाठ संख्या	पाठ का नाम
वितान	2	राजस्थान की रजत बूँदें

- निबंध लेखन
- पत्रलेखन (औपचारिक, अनौपचारिक)
- पत्रकारिता से संबंधित प्रश्न
- फीचर, रिपोर्ट , लेख