DIRECTORATE OF EDUCATION,SGPC BHADURGARH

CLASS-XI. SYLLABUS-BIOLOGY SESSION-2024-25

Type your text

UNIT-1 DIVERSITY IN THE LIVING WORLD

CH-1: The Living World

CH-2: Biological Classification

CH-3: Plant Kingdom

CH-4: Animal Kingdom

UNIT-2 STRUCTURAL ORGANISATION IN PLANTS AND ANIMALS

CH-5:Morphology of flowering plants

CH-6: Anatomy of flowering plants.

CH-7:Structural organisation of Animals

UNIT-3 CELL:STRUCTURE AND FUNTIONS

CH-8: Cell: The unit of life

CH-9: Biomolecules

CH.10: Cell cycle and Division

Class:-+1. Subject-Chemistry Session -2024-25

Unit1- Some basic concept of chemistry

Unit2-Structure of atom

Unit3-Classification of elements and periodicity in properties

Unit7-Redox reactions

Unit8-Organic Chemistry: Some basic Principles and Techniques

Note :- • Question paper should be according to CBSE sample paper(2023-2024).

• CBSE syllabus should be strictly followed

Class 11th Physics Sep Exam syllabus

1. Unit and measurements
2. Motion in a straight line
3. Motion in a plane
4. Laws of motion
5. Work energy and power
6. System of particles and a rotational motion
7. Gravitation
8. Note :- • Question paper should be according to CBSE sample paper(2023-2024).
9. • CBSE syllabus should be strictly followed

Class11th

Term -1 MATHS

Chapter no	Chapter Name	Marks
Ch-1	Sets	
Ch-2	Relations and Functions	38
Ch-3	Trigonometric Functions	

Ch-4	Complex Numbers and Quadratic Equations	
Ch-5	Linear inequalities	42
Ch-6	Permutations and Combination	
Ch-7	Binomial theorem	

Computer Science Class
XI (Term 1) 2024-25
Code No. 083

Unit I: 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, and interpreter), application software
- Operating System(OS): functions of the operating system, OS user interface
- Boolean logic: NOT, AND, OR, NAND, NOR, XOR, NOT, 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)
  ### Unit II: Computational Thinking and Programming - I
- 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
- 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)
- Expressions, statement, type conversion, and 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, summation of series, finding the factorial of a positive number, etc.

- **+1 ACCOUNTANCY (055)**

- <u>**TERM 1**</u>

- CH-1 Introduction to accounting

- CH-2 Basic accounting terms

- CH-3 Theory base of accounting

- CH-4 Bases of accounting (AS,Ind/As)

- CH-5 Accounting EQUATION

- CH-6 Accounting procedures Rules of Debit/ credit

- CH-7 Origins of transactions

- CH-8 JOURNAL

- CH-9 Ledger

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- <u>**TERM 2**</u>

- CH-10 Trial balance

- Ch-11 Accounting for GST

- Ch-12 Special purpose books 1-cash book

- CH-13 Special purpose books 11-other books

- CH-14 Bank Reconciliation Statement

- CH-15 Depriciation

- CH-16 Provisions and reserves

- CH-17 Rectification of errors

- CH- 18 Financial statements of Sole Proprietorship

- CH-19 Financial statements with adjustment

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Class 12 Term 1   ENGLISH
1. Flamingo: English Reader published by National Council of and Training, New Delhi
(Prose)

1.The Last Lesson
2.Lost Spring
3.Deep Water
4.The Rattrap
5. Indigo
(Poetry)
1.My Mother at Sixty-Six
2.Keeping Quiet
3.A Thing of Beauty
2. Vistas: Supplementary Reader published by National Cound Research and Training, New Delhi
1.The Third Level
2.The Tiger King
3. Journey to the End of the Earth

CLASS-XII.   SYLLABUS-BIOLOGY.   SESSION-2024-25
UNIT-1REPRODUCTION
CH-1: Sexual Reproduction in Flowering plants
CH-2: Human Reproduction
CH-3: Reproductive Health
UNIT-2 GENETICS AND EVOLUTION
CH-4: Principles of inheritance and variation
CH-5: Molecular Basis of inheritance
CH-6: Evolution
NOTE: ACCORDING TO NEW NCERT EDITION (OCTOBER-2022)
●Question paper should be according toCBSE sample paper(2023-24)
●CBSE SYLLABUS should be strictly followed.

Class-+2 Subject -Chemistry Session -2024-25
Unit1-Solution
Unit2- Electrochemistry
Unit3- Chemical Kinetics
Unit6- Haloalkanes and haloarenes
Unit9- Amines

Class 12   Physics   SepExam syllabus
1. Electrostatic charges and fields
2. Electrostatic potential and capacitance
3. Current electricity
4. Moving charges and magnetism
5. Magnetism and matter
6. Electromagnetic induction and alternating current
7. Alternating currents
8. Electromagnetic wave

Class 12th
Term -1 MATHS

Chapter no	Chapter Name	Marks

Ch-1	Relations and Functions Inverse Trigonometric Functions	
Ch-2		20
Ch -3	Matrices	27
Ch -4	Determinants	
Ch -5	Continuity and Differentiability Application of Derivatives	33
Ch-6		

Computer Science (083)   Class XII (Term 1)   (Written 70+Practical 30)=100

Unit I: Computational Thinking and Programming –

● Revision of Python topics covered in Class XI.

Functions: types of function (built-in functions, functions defined in module, user defined functions), creating user defined function, arguments and parameters, default parameters, positional parameters, function returning value(s), flow of execution, scope of a variable (global scope, local scope)

- Exception Handling: Introduction, handling exceptions using try-except-finally blocks
- Introduction to files, types of files (Text file, Binary file, CSV file), relative and absolute paths
- Text file: opening a text file, text file open modes (r, r+, w, w+, a, a+), closing a text file, opening a file using with clause, writing/appending data to a text file using write() and writelines(), reading from a text file using read(), readline() and readlines(), seek and tell methods, manipulation of data in a text file
- Binary file: basic operations on a binary file: open using file open modes (rb, rb+, wb, wb+, ab, ab+), close a binary file, import pickle module, dump() and load() method, read, write/create, search, append and update operations in a binary file
- CSV file: import csv module, open / close csv file, write into a csv file using writer(),writerow(),writerows() and read from a csv file using reader()
- Data Structure: Stack, operations on stack (push & pop), implementation of stack using list.

Unit III: Database Management

- Database concepts: introduction to database concepts and its need
- Relational data model: relation, attribute, tuple, domain, degree, cardinality, keys (candidate key, primary key, alternate key, foreign key)
- Structured Query Language: introduction, Data Definition Language and Data Manipulation Language, data type (char(n), varchar(n), int, float, date), constraints (not null, unique, primary key), create database, use database, show databases, drop database, show tables, create table, describe table, alter table (add and remove an attribute, add and remove primary key), drop table, insert, delete, select, operators (mathematical, relational and logical), aliasing, distinct clause, where clause, in, between, order by, meaning of null, is null, is not null, like, update command, delete command, aggregate functions (max, min, avg, sum, count), group by, having clause,
  joins: cartesian product on two tables, equi-join and natural join

TERM 1

CH-1 Nature and significance of management

CH-2 Principle of management

CH-4 Planning

CH-5 Organising

CH-6 Staffing

CH-7 Directing

CH-8 Controlling

TERM-2

CH-3 Business Environment

CH-9 Financial management

CH-10 Financial marketing

CH-11 Marketing management

Ch-12 Consumer protection

NOTE: WHOLE SYLLABUS BOTH TERM1 AND TERM2 WILL COME IN FINAL EXAMS

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**TERMINAL SYLLABUS
+2 COMMERCE
ACCOUNTANCY (055)**

TERM 1

UNIT 1 ACCOUNTING FOR PARTNERSHIP FIRMS

CH-1 Accounting for partnership firms – Fundamentals

CH-2 Goodwill: Nature and Valuation

CH-3 Change in Profit-sharing Ratio among the existing partners

CH-4 Admission of a partner

UNIT:3 ANALYSIS OF FINANCIAL STATEMENTS

CH-1 Financial statement of a company

CH-2 Financial statement Analysis

CH-3 Tools of financial statement analysis

CH-4 Accounting ratios

12TH ECONOMICS   SEP EXAM SYLLABUS

Indian economic On the eve of independence

1 economic system and common goals of 5 year plans

2 Indian economy

3 economic reforms since 1991

4 new economic policy

5 human capital formation in India

Introductory macroeconomics

1 Introduction

2 Some basic concepts of macroeconomics

3 national income and related aggregates

4 methods of calculating national income
5 money
6 banking
Note: all the marking scheme and paper pattern will remain same as per CBSE

+1 BUSINESS STUDIES (054)

TERM 1
CH-1 Evaluation and Fundamentals of Business
CH-2 Forms of Business Organisation's
CH-3 Private, Public and Global Enterprises
CH-4 Business services
CH-5 Emerging mode of Business
TERM 2
ch-6 social responsibility of business and Business ethics
CH-7 Sources of Business finance
CH-8 Small business and enterprises
CH-9 Internal trade
CH-10 International trade

Term 1 syllabus economics class 11th

Introductory microeconomics

1Economics and economy

2.central problem of an economy

3.consumer equilibrium utility analysis

4.theory of demand

5 price elasticity of demand

statistics for economic

1 concept of economics and significance

2 collection of data

3.census and sample method of collection of data

4.organization of data

5.presentation of data texture and tabular presentation

6 diagrammatic presentation of data bar graph and pie diagram

7.Frequency diagram histogram Polygon ogive

Note paper pattern and style and marking scheme will remain same as prescribed by cbse

11TH Subject English

Part a reading   (as per cbse pattern)

Part b writing and grammar(as per cbse pattern)

Part c literature

Chapters to be included for September exams

Hornbill

Ch 1The portrait of a lady

Ch2 We are not afraid to die

Ch3 discovering tut :the saga continues

poems :-a photograph ,The laburnum top, the voice of rain

snapshots

ch 1:the summer of beautiful White Horse

Ch2: the address

Marking scheme and paper pattern is as cbse

Sample papers.