

Term 1 Syllabus XII Sci

Chemistry syllabus

1. Solutions
2. Electrochemistry
3. Chemical Kinetics
4. Haloalkanes and haloarenes
5. Alcohol, Phenols and ethers
6. d and f block elements

Mathematics (TERM I)

- Ch 1- Relation Function
- Ch 2- Inverse Trigonometry
- Ch 3- Matrices
- Ch 4- Determinants
- Ch 5- Matrices Continued
- Ch 6- Continuity and Differentiability
- Ch 7- Differentiation
- Ch 8- Applications of Differentiation
- Ch 9- Indefinite Integral

Physics syllabus

- Chapter 1 :- Electric charge and Fields.
- Chapter 2:- Electrostatic potential and capacitance
- Chapter 3:- Current electricity
- Chapter 4:- Moving charges and magnetism
- Chapter 5:-Magnetism and matter
- Chapter 6:- Electromagnetic induction
- Chapter 7:- Alternating current
- Chapter 08:- Electromagnetic wave

BIOLOGY

- CH 2. SEXUAL REPRODUCTION IN FLOWERING PLANTS
- CH 3. HUMAN REPRODUCTION

CH 4. REPRODUCTIVE HEALTH

CH 5. PRINCIPLES OF INHERITANCE AND VARIATION

CH 6. MOLECULAR BASIS OF INHERITANCE

CH 7. EVOLUTION

Music

1. raag bhairav - complete
2. taal - jhaptal , rupak (introduction , thah and dugun)
3. tuning of tanpura.
4. life history of ustad bade ghulam ali khan ji.
5. short note- alankar, kan, meend , khatka 3

Informatics Practices

Unit 1

Data Handling using Pandas -I

Introduction to Python libraries- Pandas,

Matplotlib.

Data structures in Pandas - Series and frames

Series: Creation of Series from – array, dictionary, scalar value; mathematical Operations; Head and Tail functions; Selection, Indexing and Slicing.

Data Frames: creation - from dictionary of Series, list of dictionaries, Text/CSV files; display; iteration; Operations on rows and columns: add, select, delete, rename; Head and Tail functions; Indexing using Labels, Boolean Indexing; Importing/Exporting Data between CSV files and Data Frames.

Data Visualization Purpose of plotting; drawing and saving following types of plots using Matplotlib-line plot, bar graph, histogram

Customizing plots: adding label, title, and legend in plots.

Unit 3:

Introduction to Computer Networks

Introduction to networks, Types of network: LAN, MAN, WAN.

Network Devices: modem, hub, switch, repeater, router, gateway

Network Topologies: Star, Bus, Tree, Mesh.

Introduction to Internet, URL, WWW, and its applications- Web, email, Chat, VoIP.

Website: Introduction, difference between a website and webpage, static vs dynamic

web page, web server and hosting of a website.

Web Browsers: Introduction, commonly used browsers, browser settings, add-ons and plugins and cookies.

Physical education

1 Management of Sporting events

2 Children and women in Sports

3 Yoga as preventive measures for Lifestyle disease

4 Physical education and Sports for CWSN

5 Sports and Nutrition.

ENGLISH

READING SECTION:

* Comprehension Passages

WRITING SECTION:

* Notice Writing

* Invitation and Replies

* Editorial Letter

* Job Application

* Article Writing

* Report Writing

LITERATURE SECTION:

Flamingo - Prose

* The Last Lesson

* Lost Spring

* Deep Water

* The Rattrap

* Indigo

Poetry:

- * My Mother at Sixty Six
- * Keeping Quiet
- * Thing of Beauty
- * Roadside Stand

VISTAS

- * Third Level
- * Tiger King
- * Journey to the End of the Earth
- * The Enemy