



Syllabus for Half Yearly Examination 2017-18
Class – XI

Subject : Information Practices

Chapter 1- Hardware concepts
Chapter 2- Software concepts and Productivity tools
Chapter 3- Information Security and Social networking
Chapter 4-Getting started with IDE programming
Chapter 5- Programming fundamentals
Chapter 6- Control Structures
Chapter 7- Programming guidelines.

Subject :Computer Science

chapter 1: computer overview(1.1 to 1.4 , 1.7)
chapter 2: Working with Operating System(till 2.12)
chapter 3: data representation (till 3.4.3)
chapter 4: microprocessor basics and memory concepts(till 4.5)
chapter 6: Getting started with c++
chapter 7: data handling
chapter 8: operators and expressions in c++
chapter 9: c++ as per latest c++11 standard
chapter 10 : flow of control
Chapter 11:Functions(only 11.1 introduction and 11.9(stdio.h, iostream.h,math.h)
Chapter 12: Arrays(1 D arrays both from class 11 and class 12 Sumiita Arora)
Chapter 14: Programming Methodology
Flowcharts and Dos Commands from the class Notes

Subject: Physics

Units and Measurement(chapter 2)
Motion in a straight line (chapter 3)
Motion in a plane (Chapter 4)
Laws of motion (chapter 5)
Work , Energy Power(Chapter 6)
Vectors .Addition ,multiplication
Use of calculus

Subject: Political Science

BOOK 1: INDIAN CONSTITUTION AT WORK
CH 1: CONSTITUTION: WHY & HOW?
CH 2: RIGHTS IN THE INDIAN CONSTITUTION
CH 3: ELECTION & REPRESENTATION
CH 4: EXECUTIVE
CH 5: LEGISLATURE
CH 6: JUDICIARY
CH 7: FEDERALISM
CH 8: LOCAL GOVERNMENT
CH 9: CONSTITUTION AS A LIVING DOCUMENT
CH 10: PHILOSOPHY OF THE CONSTITUTION

Subject: Fine Arts

Practical

* Composition , Object Drawing in Pencil, Nature Study in pencil (Shading and Colouring)

Theory

Bronze Casting, Buddhist, Jain, Hindu Sculpture and Chola bronzes, Indo Islamic Architecture and Monuments.

Submission of portfolio.

+ Sketch book.

Subject: History

THEME 1 . FROM THE BEGINNING OF TIME

THEME.2. WRITING AND CITY LIFE

THEME 3. AN EMPIRE ACROSS THREE CONTINENTS

THEME4. CENTRAL ISLAMIC LANDS

THEME 5. NOMADIC EMPIRES

Subject: English

The Portrait of a Lady

The Summer of the Beautiful White Horse

Albert Einstein at School

The Address

Childhood

Father to Son

Writing Skills:

Notice Writing

Letter to the Editor

Letter of Enquiry

Letter of Order

Novel: Animal Farm

BBSR: Bubble Gum Syndrome

Subject: Mathematics

1. Sets

2. Relations and Functions

3. Trigonometric Functions

4. Linear Inequalities

5. Limits and Derivatives

6. Complex Numbers

7. Principle of Mathematical Induction

NOTE : Questions from Exemplar Mathematics for all above chapters also covered.

Subject: Engineering Graphics

1 Orthographic projections of points ,
Lines, Planes and Solids

2 Orthographic projections of Simple machine Blocks

3 Isometric Projections

4 Circles and Tangents

Subject: Biology

Unit 1 Diversity in the living world

Ch 1,2,3&4

Unit 2- structural organisation in plants and animals

Ch 5- Morphology of flowering plants

Ch- 6 anatomy of flowering plants

Unit 3 Cell: Structure and functions.

Ch 8,9& 10

Subject : Chemistry

1.CH-1 SOME BASIC CONCEPTS OF CHEMISTRY

2.CH-2 STRUCTURE OF ATOM

3.CH-3 PERIODIC CLASSIFICATION OF ELEMENTS

4.CH-4 CHEMICAL BONDING

5. CH-5 STATES OF MATTER

6. CH-8 REDOX REACTION

Subject: Geography

Chapter 1 Geography as a discipline

Chapter 2 The origin and evolution of the Earth

Chapter 3 Interior of the Earth

Chapter 4 Distribution of oceans and continents

Chapter 5 Minerals and rocks

Chapter 6 Geomorphic processes

Chapter 7 Landforms and their evolution

Chapter 8 Composition and structure of Atmosphere

Chapter 9. Solar radiation, heat balance and temperature

Chapter 10 Atmospheric circulation and weather systems

Chapter 11 Water in the Atmosphere

Chapter 12 World climate and climate change

Subject : Accounts

1. MEANING AND OBJECTIVES OF ACCOUNTING

2. BASIC ACCOUNTING TERMS

3. ACCOUNTING PRINCIPLES

4. PROCESS AND BASES OF ACCOUNTING

5. ACCOUNTING STANDARDS AND IFRS

6. ACCOUNTING EQUATIONS

7. DOUBLE ENTRY SYSTEM

8. ORIGIN OF TRANSACTIONS

9. JOURNAL

10. CASH BOOK

11. SPECIAL PURPOSE SUBSIDIARY BOOKS

12. LEDGER

13. TRIAL BALANCE

14. BANK RECONCILIATION STATEMENT

15. DEPRECIATION (ONLY THEORY)

16. PROVISIONS AND RESERVES

Subject: Psychology

- Ch 1 - What is Psychology
- Ch 2 - Methods of Research
- Ch 3 - Bases of Behaviour
- Ch 5 - Sensation, Attention and Perception

Subject: Economics

Part A: Statistics for Economics

Unit 1: Introduction

What is Economics?

Meaning, scope and importance of statistics in Economics

Unit 2: Collection, Organisation and Presentation of Data

Collection of data - sources of data - primary and secondary; how basic data is collected; methods of collecting data; some important sources of secondary data: Census of India and National Sample Survey Organisation.

Organisation of Data: Meaning and types of variables; Frequency Distribution.

Presentation of Data: Tabular Presentation and Diagrammatic Presentation of Data: (i) Geometric forms (bar diagrams and pie diagrams), (ii) Frequency diagrams (histogram, polygon and ogive) and (iii) Arithmetic line graphs (time series graph).

Unit 3: Statistical Tools and Interpretation

Measures of Central Tendency - mean (simple and weighted), - All series

Part B: Indian Economic Development

Unit 4: Development Experience (1947-90) and Economic Reforms since 1991

A brief introduction of the state of Indian economy on the eve of independence. Common goals of Five Year Plans.

Main features, problems and policies of agriculture (institutional aspects and new agricultural strategy, etc.), industry (industrial licensing, etc.) and foreign trade.

Economic Reforms since 1991:

Need and main features - liberalisation, globalisation and privatisation; An appraisal of LPG policies

Unit 5: Current challenges facing Indian Economy

Poverty - absolute and relative; Main programmes for poverty alleviation: A critical assessment;

Rural development: Key issues - credit and marketing - role of cooperatives; agricultural diversification; alternative farming - organic farming

Human Capital Formation: How people become resource; Role of human capital in economic development; Growth of Education Sector in India

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