

Pre Board 1 Psychology syllabus Class 12th

Chapter 1 Variations psychological attributes

Chapter 2 Self and Personality

Chapter 3 Meeting life challenges

Chapter 4 Psychological disorders

Chapter 5 Therapeutic approaches

Chapter 7 Social influence and Group processes

1st Pre-board Syllabus

Class 12

Physical Education 048

Unit 1 Management of sporting events

Unit 2 Children and women in sports

Unit 3 Yoga as preventive measure for lifestyle disease

Unit 4 Physical Education and sports for CWSN

Unit 5 Sports and Nutrition

Unit 6 Test and Measurement

Unit 8 Biomechanics & Sports

Unit 9-Psychology and sports

Unit 10 Training in sports

Class12

Syllabus for Pre Board 1....

Mathematics

Chapter 1- Relations and Functions

Chapter 2- Inverse Trigonometric Functions

Chapter 3- Matrices

Chapter 4- Determinants

Chapter 5- Continuity and Differentiability

Chapter 6- Applications of Derivatives

Chapter 7- Integrals

Chapter 8- Applications of Integrals

Chapter 9- Differential Equations

Chapter 12- Linear Programming

Chapter 13- Probability

Preboard Syllabus for Informatics Practices (065):

Data Handling using Pandas , DataFrames, Data Visualization :
Purpose of plotting, drawing and saving of plots using
Matplotlib (line plot, bar graph,
histogram, pie chart, frequency polygon, box plot and scatter
plot). Customizing plots: color, style (dashed, dotted), width;
adding label, title, and legend in plots. Database Query using
SQL

Introduction to Computer Networks

Entrepreneurship (066)

preboard 1 syllabus

- 1) Entrepreneurial Opportunity
- 2) Enterprise planning
- 3) Enterprise marketing
- 4) Enterprise growth strategies
- 5) Business arithmetic
- 6) Resource mobilization - excluding - when to seek venture capital finance

PREBOARD 1 SYLLABUS

Unit 1: Computational Thinking and Programming – 2

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 2: Computer Networks

- **Evolution of networking:** introduction to computer networks, evolution of networking (ARPANET, NSFNET, INTERNET)

- Data communication terminologies: concept of communication, components of data communication (sender, receiver, message, communication media, protocols), measuring capacity of communication media (bandwidth, data transfer rate), IP address, switching techniques (Circuit switching, Packet switching)
- Transmission media: Wired communication media (Twisted pair cable, Co-axial cable, Fiber-optic cable), Wireless media (Radio waves, Micro waves, Infrared waves)
- Network devices (Modem, Ethernet card, RJ45, Repeater, Hub, Switch, Router, Gateway, WIFI card)
- Network topologies and Network types: types of networks (PAN, LAN, MAN, WAN), networking topologies (Bus, Star, Tree)
- Network protocol: HTTP, FTP, PPP, SMTP, TCP/IP, POP3, HTTPS, TELNET, VoIP
- Introduction to web services: WWW, Hyper Text Markup Language (HTML), Extensible Markup Language (XML), domain names, URL, website, web browser, web servers, web hosting
- Evolution of networking: introduction to computer networks, evolution of networking (ARPANET, NSFNET, INTERNET)
- Data communication terminologies: concept of communication, components of data communication (sender, receiver, message, communication media, protocols), measuring capacity of communication media (bandwidth, data transfer rate), IP address, switching techniques (Circuit switching, Packet switching)
- Transmission media: Wired communication media (Twisted pair cable, Co-axial cable, Fiber-optic cable), Wireless media (Radio waves, Micro waves, Infrared waves)
- Network devices (Modem, Ethernet card, RJ45, Repeater, Hub, Switch, Router, Gateway, WIFI card)
- Network topologies and Network types: types of networks (PAN, LAN, MAN, WAN), networking topologies (Bus, Star, Tree)

- Network protocol: HTTP, FTP, PPP, SMTP, TCP/IP, POP3, HTTPS, TELNET, VoIP
- Introduction to web services: WWW, Hyper Text Markup Language (HTML), Extensible Markup Language (XML), domain names, URL, website, web browser, web servers, web hosting

Unit 3: Database Management

- **Database concepts:** introduction to database concepts and its need
- **Imp. Terms :** 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

Syllabus for PREBOARD-1

APPLIED MATHEMATICS CLASS 12

1. Numbers quantification and numerical application
2. Numerical inequalities
3. Matrices
4. Determinants
5. Differentiation
6. Application of derivative
7. Integration
8. Differential equation
9. Probability
10. Time based data
11. Perpetuity, sinking funds and EMI
12. Linear programming problems

SYLLABUS OF (2024-25)

SUBJECT PAINTING (049)

SYLLABUS OF CLASS 12

Pre -Board 1

1. The Rajasthani School

- Origin and Development
- Sub – School – Mewar, Bundi, Jodhpur, Bikaner, Kishangarh and Jaipur
- Main features of the Rajasthani School
- Appreciation of the following Rajasthani paintings
 - Maru -Ragini, Chaugan Players, Krishna on swing Radha (Bani- Thani) and Bharat Meet Rama at Chitrakuta.

2. The Pahari School

- Origin and Development
- Sub – School – Basohli and Kangra
- Main features of the Pahari School
- Appreciation of the following Pahari paintings
 - Krishna with Gopies and Nand Yashoda and Krishna with Kinsmen Going to Vrindavana.

3. Mughal and Deccan School of Miniature painting

4. The Indian National Flag

5. The Bengal School of painting

- Origin and Development
- Main features of the Bengal School
- Appreciation of the following paintings of Bengal School
- Journey End – Abanindranath Tagore
- Shiv and Sati – Nandlal Bose
- Radhika – M.A.R Chughtai
- Meghdoot – Ram Gopal Vijaivargiya

6. Contribution of Indian artist in the struggle for National freedom movement.

7. The Modern Trends in Indian Art

- Appreciation of the Contemporary (Modern) Indian Art – Paintings.
- Rama Vanquishing the Pride of the Ocean – Raja Ravi Verma
- Mother and Child – Jamini Roy
- Haldi Grinders – Amrita Sher Gill
- Mother Teresa – M.F Husain

PRE BOARD - 1 SYLLABUS 2024-25

ECONOMICS (030)

CLASS - XII

MACRO ECONOMICS

UNIT -1 NATIONAL INCOME AND RELATED AGGREGATES

UNIT -3 DETERMINATION OF INCOME AND EMPLOYMENT

UNIT-4 GOVERNMENT BUDGET AND THE ECONOMY

UNIT-5 BALANCE OF PAYMENT

INDIAN ECONOMIC DEVELOPMENT

UNIT-7 CURRENT CHALLENGES FACING INDIAN ECONOMY

UNIT-8 COMPARATIVE DEVELOPMENT EXPERIENCE OF INDIA :A
COMPARISON WITH NEIGHBOURS.

BUSINESS STUDIES (054)

Syllabus for preboard 1-

Book 1

1) Nature and significance of management

2) Principles of management

3) Business environment

4) Planning

5) Staffing

6) Organising

7) Directing

8) Controlling

Book

1) Financial management- excluding trading on equity numerical portion

2) Financial market - excluding process of trading, dematerialization and depositories, objectives of SEBI

3) Marketing 4) Consumer Protection

Accountancy Course for First Pre Board Examination

1. Company Accounts

Issue of Shares and Debentures

2. Financial Statements of Company

3. Analysis of Financial Statement

Ratio Analysis

Cash Flow Analysis

Comparative Statement

Common Size Statement

4. Partnership Accounts

Fundamentals of Partnership

POLITICAL SCIENCE PRE-BOARD SYLLABUS

2024-25

1. Challenges of Nation Building
2. Parties and Party system in India
3. Planned Development
4. The End of Bipolarity
5. New Centers of Power
6. Contemporary South Asia
7. India's Foreign Policy
8. United Nations and its Organisation
9. Democratic Resurgence
10. Security in Contemporary World
11. Environment and Natural Resources
12. Regional Aspirations
13. Globalisation

CLASS 12 - HISTORY PRE BOARD - 1 SYLLABUS (2024-25)

CHAPTER

1. **Theme 1:** The Harappan Civilisation
2. **Theme 2:** Kings, Farmers, and Towns.
3. **Theme 3:** Kinship, caste, and class

4. **Theme 4:** Thinkers, beliefs, and buildings
5. **Theme 5:** Through the eyes of the travellers

6. **Theme 6:** Bhakti –Sufi Traditions
7. **Theme 7:** An Imperial Capital: Vijayanagar
8. **Theme 8:** Peasants, Zamindars, and the State
9. **Theme 10:** Colonialism and The Countryside

10. **Theme 11:** Rebels and the Raj
11. **Theme 13:** Mahatma Gandhi and the Nationalist Movement
12. **Theme 15:** Framing the Constitution

CLASS 12TH - GEOGRAPHY (2024-25)

1ST PRE-BOARD SYLLABUS

Paper – 1 Human Geography	Paper – 2 India: People & Economy	Paper – 3 Practical Geog
<ol style="list-style-type: none">1. Human Geography: Nature and Scope.2. World Population: Distribution, Density, Growth.3. Human Development.4. Primary Activities.5. Secondary Activities.6. Tertiary and quaternary activities.7. Transport and communication.8. International Trade.	<ol style="list-style-type: none">1. Population: Distribution, Density, Growth, Composition, etc.2. Human Settlements.3. Land resources and agriculture.4. Water resources.5. Mineral and energy resources.7. Transport and communication.8. International Trade.	<ol style="list-style-type: none">1. Data: Its Source and compilation.2. Data processing.3. Graphical representation of data.4. Spatial Information Technology.

PRE-BOARD-1 SYLLABUS- PHYSICS

CLASS	SYLLABUS
CLASS 12	<ol style="list-style-type: none">1. UNIT-1 ELECTROSTATICS (CHAPTER 1 & 2)2. UNIT-2 CURRENT ELECTRICITY (CHAPTER 3)3. UNIT-3 MAGNETISM (CHAPTER 4 & 5)4. UNIT-4 EMI & AC (CHAPTER 6 & 7)5. UNIT-5 OPTICS CH-8-EMWAVES CH-9- RAY OPTICS CH-10-WAVE OPTICS6. UNIT-7 SEMICONDUCTOR DEVICES
CLASS 10	<ol style="list-style-type: none">1. ELECTRICITY2. MAGNETISM3. REFLECTION & REFRACTION OF LIGHT

Class 12 BIOLOGY

1. Sexual reproduction in flowering plants.
2. Human reproduction
3. Reproductive health
 4. Human health in disease
5. Microbes in human welfare
6. Principles of inheritance and variation
7. Molecular basis of inheritance
8. Evolution
9. Biotechnology: principles and processes.
10. Biotechnology and its applications.
11. Organism and population
12. Biodiversity and conservation
13. Evolution

CHEMISTRY SYLLABUS

CLASS -12

(2024-25)

S.NO.	NAME OF THE CHAPTERS	MONTH
1.	SOLUTIONS	APRIL
2.	ELECTROCHEMISTRY	MAY
3.	CHEMICAL KINETICS	JULY
4.	d AND f- BLOCK ELEMENTS	JULY
5.	COORDINATION COMPOUNDS	AUGUST
6.	HALOALKANES AND HALOARENES	AUGUST
7.	ALCOHOL,PHENOL AND ETHERS	SEPTEMBER
8.	ALDEHYDES, KETONES AND CARBOXYLIC ACIDS	SEPTEMBER
9.	AMINES	OCTOBER
10.	BIOMOLECULES	OCTOBER

UT-1 SYLLABUS

CHAPTER- SOLUTION