



G.D.GOENKA PUBLIC SCHOOL, VASANT KUNJ

ANNUAL SYLLABUS 2024-25

CLASS XII

TERM 1

ENGLISH

April

VISTAS :

The Tiger King

The Third Level

FLAMINGO :

Poetry :

Keeping Quiet

My Mother at Sixty-six

Aunt Jennifer's Tigers

Prose :

The Last Lesson

Indigo

SKILL : Invitations and Replies

Notice

May

FLAMINGO : Deep Water

VISTAS : The Enemy

Journey to the end of the Earth

SKILL :

Job Application

MID-TERM EXAM : REVISION

July

FLAMINGO :

The Rattrap

Poets and Pancakes

A Thing of Beauty (Poem)

VISTAS : On the face of it

Memories of Childhood

SKILL : Reports - Newspaper and School Magazine

ASL

August

FLAMINGO:

Going Places

Lost Spring

The Interview

A Roadside Stand (Poem)

SKILL : Article

Letter to Editor

MATHEMATICS

April

Chapter-1: Relations and Functions,
Chapter-2: Inverse Trigonometric Functions
Chapter-3: Matrices

May

Chapter-4 : Determinants,
Chapter-5 : Continuity and Differentiability

July

Chapter-5 : Continuity and Differentiability(contd.),
Chapter-6: Application of Derivatives,
Chapter-7 Integrals

August

Chapter-7 Integrals (contd),
Chapter-8 Application of Integrals
Chapter-9 Differential Equations

PHYSICS

April

Chap 1(Electric charges and fields); Chap 2 (Electric potential and capacitance)

May

Chap 3 (Current Electricity)

July

Chap 4 (Magnetic Effects); Chap 5 (Magnetism); Chap 6 (EMI)

August

Chap 6(EMI); Chap 7 (AC CKTS); Chap 8 (EMW)

CHEMISTRY

April

Unit 5 Haloalkanes and haloarenes

May

Unit 6: Alcohols ,phenols and ethers

July

Unit 7: Aldehydes ,Ketones and Carboxylic acids.
Unit 8: Amines

August

Unit9 : Biomolecules
Unit 1: Solutions

COMPUTER SCIENCE (CS)

April

Revision of Class XI
Functions and Modules

May

File Handling in Python
Binary Files
Project Work

July

File Handling in Python - Text Files and CSV Files
Database Concept

August

SQL
Stacks

INFORMATICS PRACTICES (IP)

April

Revision of Class XI
Data Handling using Pandas -I
Introduction to Python libraries - Pandas, Matplotlib.

May

Data structures in Pandas - Series and Data Frames
Series: Creation of Series from - ndarray, dictionary, scalar value; mathematical operations; Head and Tail functions; Selection, Indexing and Slicing.

July

Data Frames: creation - from dictionary of Series, list of dictionaries, Text/CSV files; display; iteration; Operations on rows and columns: add, select, delete, rename;

August

Head and Tail functions;
Indexing using Labels, Boolean Indexing;
Importing/Exporting Data between CSV files and Data Frames
Introduction to Computer Networks

BIOLOGY

April

Sexual Reproduction in Flowering Plants ; Human Reproduction

May

Reproductive health

July

Principles of Inheritance and Variation ; Molecular basis of inheritance

August

Evolution ; Human Health and Diseases ; Microbes in Human Welfare

PSYCHOLOGY

April

Chapter 1
Variations In Psychological Attributes
Practicals- Rspm

May

Chapter-2
Self And Personality
Practicals-Mpi

July

Chapter-3
Meeting Life Challenges
Practicals- Gas,Sas

August

Chapter-4
Psychological Disorders

PHYSICAL EDUCATION

April

Unit I - Management of Sporting Events
Unit II - Children & Women in Sports

May

Unit III - Yoga as Preventive measure for Lifestyle Disease
Mid Term I Exam
PROJECT WORK/PRACTICAL

July

Unit IV - Physical Education & Sports for CWSN (Children with Special Needs - Divyang)

August

Unit V - Sports & Nutrition
Unit VI - Test & Measurement in Sports
PROJECT WORK/PRACTICAL

PAINTING (FINE ARTS)

April

Unit-I
Rajasthani School of Miniature Paintings

May

Pahari School of Miniature Paintings.

July

Unit-II
Mughal School of Miniature Painting

August

Deccan School of Miniature Paintings.
Practical :
Study of Still and Nature Objects, Nature Study and Landscapes and composition with geometrical and simples human figures.

ECONOMICS

April

PART A: INTRODUCTORY MACROECONOMICS
Ch 7- Aggregate demand and related concepts
Ch 8- Income Determination and Multiplier
Ch 9- Excess Demand and Deficit Demand
PART B: INDIAN ECONOMIC DEVELOPMENT
Ch 1- Indian Economy on the eve of Independence
Ch 2- Indian Economy (1950- 1990)

Ch 3- Liberalisation, Privatisation and Globalisation: An appraisal

May

PART A: INTRODUCTORY MACROECONOMICS

Ch 5- Money

Ch 6- Banking: Commercial Banks and the Central Banks

PART B: INDIAN ECONOMIC DEVELOPMENT

Ch 4- Human Capital formation

July

PART A: INTRODUCTORY MACROECONOMICS

Ch 1- Circular Flow of Income

Ch 2- Basic Concepts of Macroeconomics

Ch 3- National Income and Related Aggregates

Ch 4- Measurement of National Income

PART B: INDIAN ECONOMIC DEVELOPMENT

Ch 5- Rural Development

August

PART A: INTRODUCTORY MACROECONOMICS

Ch 10- Government Budget and the Economy

Ch 11- Foreign Exchange rate

Ch 12- Balance of Payments

PROJECT WORK- 20 MARKS

ACCOUNTANCY

April

BOOK-1:

Ch-1-Fundamentals of partnership

Ch-2-Goodwill:Nature and Valuation

Ch-3-Change in Profit sharing ratio among the existing partners

May

BOOK-1:

Ch-4-Admission of a Partner

BOOK-3-

Ch-1- Financial Statements of a Co.

Ch-2-Financial Statements Analysis

July

BOOK-1:

Ch-4-Admission of a Partner (in continuation)

Ch-5-Retirement of a Partner

Ch-6-Death of a Partner

August

BOOK-1:

Ch-7-Dissolution of a Partnership Firm

BOOK-3-

Ch-3-Accounting Ratios

Ch-4-Cash Flow Statement

Ch-5-Tools of Financial Statement Analysis- Comparative Statements and Common-size Statements

Project work- Accounting Ratios

BUSINESS STUDIES

April

Ch 1. Nature And Significance of Management
Ch 2 Principles of Management

May

Ch 3 Business Environment
Ch 11 Marketing Management
PROJECT WORK

July

Ch 4 Planning
Ch 9 Financial Management
Ch 10 Financial Markets (Introduction)

August

Ch 10 Financial Markets
Ch 5 Organising
Ch 6 Staffing

ENTREPRENEURSHIP

April

UNIT -1 Entrepreneurial Opportunity

May

UNIT -2 Enterprise Planning

July

UNIT -3 Enterprise Marketing

August

UNIT- 5 Business Arithmetic

PROJECT WORK

1. MARKET SURVEY ON ANY CONSUMER PRODUCT (20 to 30 Questionnaires to be filled by the respondents)
2. PROJECT REPORT / Business Plan
(To set up an enterprise in future)

MARKETING

April

Unit 1 Product
Part-A: EMPLOYABILITY SKILLS
Communication Skill-IV

May

CH 2 : Pricing Decision
EMPLOYABILITY SKILLS: Self-management Skills-IV

July

CH 2 : Pricing Decision
Employability Skills: Self-management Skills-IV

August

Unit 3 Place
Employability skills: ICT Skills IV
PROJECT WORK

Detailed project work as per CBSE guidelines

HISTORY

April-

Theme 1: Bricks, Beads and Bones
Theme 2: Kings, Farmers and Towns
Theme 3: Kinship, Caste and Class
Theme 4: Thinkers, beliefs and Buildings

May

Theme 5 : Through the Eyes of Travelers

July

Theme 6 : Bhakti-Sufi traditions
Theme 7: An Imperial Capital-Vijayanagara Empire

August

Theme 8: Peasants, Zamindars and the State
Theme 10: Colonialism and the Countryside
Theme 11: Rebels and the Raj
Related Map Work
CBSE Project Work

POLITICAL SCIENCE

April

BOOK1-CH1- END OF BIPOLARITY
Ch2-Contemporary Centres Of Power
Ch3-Contemporary South Asia
Ch4-International Organisations

May

Ch5-Security In The Contemporary World
Ch6-Environment And Natural Resources

July

Ch7-Globalisation
Book2-Ch1-Challenges To Nation Building
Ch2-Era Of One-Party Dominance

August

Ch3-Politics Of Planned Development
Ch4-India's External Relations
Ch5-Challenges To And Restoration Of The Congress System
Ch6-Crisis Of Democratic Order

FINANCIAL MARKETS MANAGEMENT (FMM)

April

RECAP
Chapter1: Introduction to Indian Securities Markets and Trading Membership
Chapter 4: Financial Statement Analysis

May

Unit 1 : Communication Skills-IV
Unit 2: Self-Management Skills-IV
Project

July

Chapter 2: Trading

August

Chapter 3: Clearing, Settlement and Legal Framework

Unit 3: ICT Skills-IV

Unit 4: Self-Management Skills-IV

Practical Exam

GERMAN

April

Lektion 15, Einmal zum Mars, bitte!

May

Lektion 15, Einmal zum Mars, bitte!

July

Lektion 16, Wir wollen keinen Streit!

August

Lektion 16, Wir wollen keinen Streit!

DESIGN

April

UNIT-1:

Session 1: Design Thinking

Human-centric approach to Design

Research and Discovery

Ideation

Prototyping & Piloting

Testing

May

Session 2: Design Fundamental

Geometry and space

Simple Product Design

July

UNIT-2: DESIGN TOOLS AND TECHNIQUES

Session 1: Basic Materials

Categorization of Basic Materials and related properties

Material Forms and Sources and measures

Working on Basic Materials

August

Session 2: Basic Production Processes

Basic Production Processes in Textile Industry

Basic Production Processes in Wood Industry

Basic Production Processes in Metal Industry

Basic Production Processes in Plastic Industry

TERM 2

ENGLISH

- October**
Revision of Literature portion.
- November**
Revision of Writing Skills
- December**
Pre Boards
- January**
Pre Boards
- February**
Practical exam

MATHEMATICS

- October**
Chapter- 10 Vector Algebra
Chapter-11 Three Dimensional Geometry
Chapter-12: Linear Programming
- November**
Chapter-13: Probability
- December**
Revision
- January**
Revision
- February**
Revision

PHYSICS

- October**
WAVE OPTICS : DUAL NATURE
- November**
ATOMS AND NUCLEI
- December**
REVISION
- January**
REVISION
- February**
REVISION

CHEMISTRY

- October**
Unit 2: Electrochemistry
Unit 3: Chemical Kinetics
- November**
Unit 4: d & f block elements
Unit 5: Coordination compounds.

December
Revision
January
Revision
February
Revision

COMPUTER SCIENCE (CS)

October
Computer Networks
November
Revision
Completion of Project Work

INFORMATICS PRACTICES (IP)

October
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.
Database Query using SQL
Revision of database concepts and SQL commands covered in class XI
November
Math functions
Text functions
Date Functions
Aggregate Functions
Querying and manipulating data using Group by, Having, Order by
Working with two tables using equi-join
CBSE Project Work
December
CBSE Project Work
Societal Impacts
Revision
January
Revision
CBSE Practical Exam
February
CBSE Exam

BIOLOGY

October
Biotechnology Principles and its applications
November
Organisms and Population; Ecosystem ; Biodiversity
December
Revision
January
Pre board Examination
February
Boards

PSYCHOLOGY

October

Chapter-5
Therapeutic Approaches
Practicals- Case Profile

November

Chapter-6
Attitude And Social Cognition
Chapter- 7
Social Influence And Group Processes

December

REVISION

January

REVISION

February

REVISION

PHYSICAL EDUCATION

October

UNIT VII - Physiology & Injuries in Sports
UNIT VIII - Biomechanics & Sports
PROJECT WORK/PRACTICAL

November

UNIT IX - Psychology & Sports
UNIT X - Training in Sports
Pre Board 1
PROJECT WORK/PRACTICAL

December

Pre Board II

January

Board Practicals

February

Revision

PAINTING (FINE ARTS)

October

Unit-III
Introduction and appreciation of Bengal School of Art.
Evaluation of Indian National Flag

November

Contribution of Indian artist in National freedom movement
Modern Trends of Indian painting, sculpture and graphics prints.

Practical :

Study of Still and Nature Objects, Nature Study and Landscapes and composition with geometrical and simple human figures.

December

Revision and Doubts cleared session : Theory as well as Practical

January

Revision and Doubts cleared session : Theory as well as Practical

February

Revision and Doubts cleared session : Theory as well as Practical

ECONOMICS

October

PART B: INDIAN ECONOMIC DEVELOPMENT

Ch 6- Employment: Growth, Informalisation and other issues

Ch 7- Environmental and Sustainable development

November

PART B: INDIAN ECONOMIC DEVELOPMENT

Ch 8- Comparative Development Experience of India and its neighbours

December

Pre board 2 Revision

January

CBSE Practicals and Revision

February

Retest and revision

PROJECT WORK- 20 MARKS

ACCOUNTANCY

October

BOOK-3-

Ch-4-Cash Flow Statement (in continuation)

BOOK-2:

Ch-8-Accounting for Share Capital

Project work- Cash Flow Statement

November

BOOK-2:

Ch-9-Issue of Debentures

December

Revision, Pre Boards

January

Revision, Pre Boards

February

Revision, Pre Boards

BUSINESS STUDIES

October

Ch 7 Directing

Ch 8 Controlling

November

Ch 12 Consumer Protection

December

Preboard 1

January

Preboard 2 and Board practicals

February

Board exams

ENTREPRENEURSHIP

October

UNIT -4 Enterprise Growth Strategies

November

UNIT -6 Resource Mobilisation

December

Pre board 2 Revision

January

CBSE Practicals and Revision

February

Retest and revision

MARKETING

October

Ch 4: Promotion

Employability Skills: Entrepreneurial Skills

November

Unit 5: Emerging trends in marketing

Employability skills:Green Skills

December

PRE BOARDS

January

PRACTICALS

February

BOARD EXAMINATION

HISTORY

October

Theme 13: Mahatma Gandhi and the Nationalist Movement and Related Map Work

November

Theme 15: Framing the Constitution

December

CBSE Project Work

Revision

January

February- Revision

POLITICAL SCIENCE

October

CH7-REGIONAL ASPIRATIONS

CH8-RECENT DEVELOPMENTS IN INDIAN POLITICS

November

CH8-RECENT DEVELOPMENTS IN INDIAN POLITICS

REVISION

December

REVISION

January

REVISION

February

REVISION

FINANCIAL MARKETS MANAGEMENT (FMM)

October

Chapter 5: Introduction to Derivatives and Stock Market Index

November

Chapter 6: Future Contracts, Mechanism and Pricing

Unit 5 : Green Skills-IV

December

Revision

Project work as per CBSE guidelines

January

Revision

February

Revision

GERMAN

October

Lektion 17, Sofa gesucht!

November

Lektion 17, Sofa gesucht!

December

Lektion 18, Besuch aus dem Ausland.

January

Lektion 18, Besuch aus dem Ausland.

February

Revision

DESIGN

October-

UNIT 3: OCCUPATIONAL HEALTH & SAFETY

Safety and Health responsibility in Metal and Plastic industry

Role of wavy safe inspection in the above industries.

Hazard identification risk assessment and risk control in metal and plastic Industries.

Dealing with emergency

Minimum 3 visits to industries related to the above areas.

November-

UNIT 4: PRACTICAL WORKSHOP Session 1: Knowledge Workshop

Source and Document information on environmentally friendly design

Project 1 : Research on a past movement of Design

Project 2 : Photograph and report on an Architectural monument of national repute/ recognition

Project 3 : Critique the Design of display and control of a complex product such as computer/ washing medicine/ medical equipment

December

Session 2: Design Concept workshop

Design concept workshop on Design for Handicapped

Design concept workshop on Sustainable Design

Design concept workshop on Interface Design

January

Session 3: Product Design workshop

Produce Design for a product for children

Produce Design for display and control for Senior Citizens

Design a functional product from waste

February

Session 4: Digital workshop

Introduction to Basic Design software

Digitize images for reproduction

Project 1: Digital workshop Adobe Photoshop

Project 2: Digital workshop Adobe Illustrator

Project 3: Digital workshop Adobe In-Design.