



D.A.V. PUBLIC SCHOOL, NERUL

SYLLABUS- 2021-2022

CLASS - XII



INDEX

1. English
2. Mathematics
3. Physics
4. Chemistry
5. Biology
6. Computer Science
7. Accountancy
8. Entrepreneurship
9. Economics
10. Business Studies
11. Applied Mathematics

- The entire syllabus is divided in two terms.
- Syllabus of each subject is uploaded in the Google Classroom of the respective class.

ENGLISH

FIRST TERM

UNIT TEST-1

Literature

Poetry - An Elementary School in a Classroom

Prose - Lost Spring, The Third Level

PERIODIC TEST

Section A

Reading Comprehension

Section B

Advertisements

Section C

The Last Lesson

Lost Spring

The Enemy

An Elementary School Classroom in a Slum

My Mother at Sixty-Six

UNIT TEST- 2

Literature

Deep Water

Keeping Quiet

PRELIMINARY EXAMINATION & FIRST TERM EXAMINATION

Section A

Reading Comprehension

Section B

Advertisements

Notice Writing

Letter to an Editor

Article Writing

Section C

The Last Lesson

Lost Spring

Deep water

My Mother at Sixty-Six

An Elementary School Classroom in a Slum

Keeping Quiet

The Third Level

The Enemy

ASL

SECOND TERM

UNIT TEST - 3

Literature

The Rattrap

A Thing of Beauty

Should Wizard Hit Mommy?

UNIT TEST - 4

Literature

Indigo

On the Face of It

PERIODIC TEST-2

Section A

Reading Comprehension

Section B

Invitations

Letter of Application for a Job

Section C

The Rattrap

Indigo

Aunt Jennifer's Tigers

Should Wizard Hit Mommy?

On the Face of It

PRELIMINARY EXAMINATION & SECOND TERM EXAMINATION

Section A

Reading Comprehension

Section B

Invitations

Letter of Application for a Job

Report Writing

Section C

The Rattrap

Indigo

A Thing of Beauty

Aunt Jennifer's Tigers

Should Wizard Hit Mommy?

On the Face of It

Evans Tries an O Level

ASL Project

MATHEMATICS

UNIT TEST 1

Determinants

PERIODIC TEST 1

1. Relations and Functions
2. Inverse Trigonometric Functions
3. Matrices and Determinants
4. Continuity and Differentiability

UNIT TEST II

Applications Of Derivatives

PRELIMINARY EXAMINATION

1. Relations and Functions
2. Inverse Trigonometric Functions
3. Matrices and Determinants
4. Continuity and Differentiability
5. Applications Of Derivatives
6. LPP

TERM 1

1. Relations and Functions
2. Inverse Trigonometric Functions
3. Matrices and Determinants

4. Continuity and Differentiability

5. Applications Of Derivatives

6. LPP

Internal Assessment in Term 1

UNIT TEST III

Integration

UNIT TEST IV

Applications Of Integrals

PERIODIC TEST II

1. Integrals

2. Application of integrals

3. Differential Equations

4. Vectors and 3D

PRELIMINARY EXAMINATION

1. Integrals

2. Application of integrals

3. Differential Equations

4. Vectors and 3D

5. Probability

Term 2

1. Integrals

2. Application of integrals

3. Differential Equations

4. Vectors and 3D

5. Probability

Internal assessment in term 2

PHYSICS

UNIT TEST 1

Unit-I Electrostatics

Chapter–1: Electric Charges and Fields

Chapter–2: Electrostatic Potential and

Capacitance

Unit-II Current Electricity

Chapter–3: Current Electricity

PERIODIC TEST 1

Unit-III Magnetic Effects of Current and Magnetism

Chapter–4: Moving Charges and Magnetism

Chapter–5: Magnetism and Matter

Unit-IV

Chapter-6: Electromagnetic Induction

UNIT TEST 2

Chapter- 7: A.C

PRELIMINARY EXAMINATION & FIRST TERM EXAMINATION

Chapter–1: Electric Charges and Fields

Chapter–2: Electrostatic Potential and capacitance

Unit-II Current Electricity

Chapter–3: Current Electricity

Unit-III Magnetic Effects of Current and Magnetism

Chapter–4: Moving Charges and Magnetism

Chapter–5: Magnetism and Matter

Unit-IV

Chapter-6: Electromagnetic Induction

Chapter- 7: A.C

UNIT TEST 3:

Unit-V

Chapter -8 : Electromagnetic waves

Unit- VI

Chapter 9: Ray Optics

UNIT TEST 4:

Unit- VI

Chapter 10: Wave Optics

Unit -VII

Chapter 11: Dual Nature of Matter

Periodic Test 2:

Unit VIII:

Chapter 12: Atoms

Chapter 13 Nuclei

Unit IX

Chapter 14: Electronic Devices

Practical examination

PRELIMINARY EXAMINATION & SECOND TERM EXAMINATION

Unit-V

Chapter -8 : Electromagnetic waves

Unit- VI

Chapter 9: Ray Optics

Chapter 10: Wave Optics

Unit -VII

Chapter 11: Dual Nature of Matter

Unit VIII:

Chapter 12: Atoms

Chapter 13 Nuclei

Unit IX

Chapter 14: Electronic Devices

Practical examination

CHEMISTRY

TERM - I

Unit Test-1

1. Alcohols,phenols and ethers

Periodic Test-1

2. Solid State
3. Solutions
4. Haloalkanes and haloarenes

Unit Test-2

5. p-block elements

Preliminary and First Term Examination

1. Alcohols,phenols and ethers
2. Solid State
3. Solutions
4. Haloalkanes and haloarenes
5. p-block elements
6. Biomolecules

Practical Examination for Term-I

TERM - II

Unit Test-3

7. Aldehydes, ketones and carboxylic acids

Unit Test- 4

8. d-Block Elements

Periodic Test-2

9. Electrochemistry

10. Chemical kinetics

11. Surface Chemistry

Preliminary Examination and Second Term Examination

7. Aldehydes, ketones and carboxylic acids

8. d-Block Elements

9. Electrochemistry

10. Chemical kinetics

11. Surface Chemistry

12. Coordination Compounds

13. Amines

Practical & project work for Term II

BIOLOGY

TERM - I

UNIT TEST - 1

1. Sexual reproduction in angiosperm
2. Human reproduction
3. Reproductive health

PERIODIC TEST - 1

1. Sexual reproduction in angiosperm
2. Human reproduction
3. Reproductive health
4. Principles of inheritance & variation
5. Molecular basis of inheritance

UNIT TEST - 2

1. Principles of inheritance & variation
2. Molecular basis of inheritance

PRELIMINARY & TERM - I EXAMINATION

1. Sexual reproduction in angiosperm
2. Human reproduction
3. Reproductive health
4. Principles of inheritance & variation
5. Molecular basis of inheritance

Practical for - Term - I

TERM - II

UNIT TEST - 3

1. Human Health & Disease
2. Microbes in Human Welfare

UNIT TEST - 4

1. Biotechnology - Principles & Processes
2. Biotechnology and its Applications
3. Organisms and Populations
4. Biodiversity and Conservation

PERIODIC TEST - 2 , PRELIMINARY & TERM-II EXAMINATION

1. Human Health & Disease
2. Microbes in Human Welfare
3. Biotechnology - Principles & Processes
4. Biotechnology and its Applications
5. Organisms and Populations
6. Biodiversity and Conservation

Practical & project work for Term II

COMPUTER SCIENCE

Unit Test-1

- Revision of Python topics covered in Class XI.
- Functions: types of function

Periodic Test-1

- Revision of Python topics covered in Class XI.
- Functions: types of function
- Introduction to files, types of files (Text file, Binary file, CSV file), relative and absolute paths
- Text files
- Binary files

Unit Test-2

- Revision of Python topics covered in Class XI
- Functions: types of function
- Text files
- Binary files
- CSV files

Preliminary and First Term Examination

- Revision of Python topics covered in Class XI.
- Functions: types of function

- Introduction to files, types of files (Text file, Binary file, CSV file), relative and absolute paths
- Text files
- Binary files
- CSV files

Practical for all programs completed in the class

Project work for Term -1

SECOND TERM

Unit Test-3

- Data Structure
- Computer Networks

Unit Test-4

- Data Structure
- Computer Networks
- Database Management
 - Database concepts
 - Structured Query Language
 - Joins
- Interface of python with an SQL database

Periodic Test-2, Preliminary Examination and Second Term

Examination

- Data Structure
- Computer Networks
- Database Management
 - Database concepts
 - Structured Query Language
 - Joins
- Interface of python with an SQL database

Practical for all programs completed in the class

Project work in Term-2

ACCOUNTANCY

Unit Test-1

ACCOUNTING FOR PARTNERSHIP FIRMS-

Chapter 2 - Accounting for partnership firms - Fundamentals

Chapter 3 - Goodwill : Nature and valuation

Periodic Test-1

ACCOUNTING FOR PARTNERSHIP FIRMS-

Chapter 2 - Accounting for partnership firms - Fundamentals

Chapter 3 - Goodwill : Nature and valuation

Chapter 4 - Change in profit sharing ratio among existing partners

Chapter 5 - Admission of a partner

ANALYSIS OF FINANCIAL STATEMENTS

Chapter 1 -Financial Statements of a company

Chapter 2 - Financial Statement Analysis

Unit Test-2

ACCOUNTING FOR COMPANIES-

Chapter 1 -Accounting for Shares

Preliminary and First Term Examination

ACCOUNTING FOR PARTNERSHIP FIRMS-

Chapter 2 - Accounting for partnership firms - Fundamentals

Chapter 3 - Goodwill : Nature and valuation

Chapter 4 - Change in profit sharing ratio among existing partners

Chapter 5 - Admission of a partner

ANALYSIS OF FINANCIAL STATEMENTS

Chapter 1 -Financial Statements of a company

Chapter 2 - Financial Statement Analysis

Chapter 4- Accounting Ratios

ACCOUNTING FOR COMPANIES-

Chapter 1 - Accounting for Shares

Project work for Term -1

SECOND TERM

Unit Test-3

ACCOUNTING FOR NOT FOR PROFIT ORGANISATIONS-

Chapter 1- Not for Profit Organisations

ANALYSIS OF FINANCIAL STATEMENTS

Chapter 3 - Tools of financial statement analysis - comparative
statement analysis

Unit Test-4

Chapter 5 - Cash flow statement

ACCOUNTING FOR COMPANIES

Chapter 2 - Issue of debentures

Periodic Test-2, Preliminary Examination and Second Term

Examination

**ACCOUNTING FOR PARTNERSHIP FIRMS AND NOT FOR
PROFIT ORGANIZATION**

Chapter 1 - Not for profit organizations

Chapter 6 -Retirement/ death of a partner

Chapter 7 - Dissolution of a partnership firm

ACCOUNTING FOR COMPANIES

Chapter 2 - Issue of debentures

ANALYSIS OF FINANCIAL STATEMENTS

Chapter 3 - Tools of financial statement analysis - comparative
statement analysis

Chapter 5 - Cash flow statement

Project work for Term -1

ENTREPRENEURSHIP

UNIT TEST -1

- Entrepreneurial Opportunity
- Entrepreneurial Planning

Periodic Test 1

- Entrepreneurial Opportunity
- Entrepreneurial Planning
- Business Arithmetic

Unit Test 2

Business Arithmetic

Preliminary and Term I Examination

- 1) Entrepreneurial Opportunity
- 2) Entrepreneurial Planning
- 3) Business Arithmetic

Project work for Term I

SECOND TERM

Unit Test -3

- Enterprise Marketing

Unit Test -4

- Enterprise Growth Strategies

Periodic Test -2 Preliminary Examination and Term II

Examination

- Enterprise Marketing
- Enterprise Growth Strategies
- Business Arithmetic
- Resource Mobilisation

Project work for Term II

ECONOMICS

FIRST TERM

Unit Test-1

Indian Economic Development

Development Experience(1947-90) and Economic reforms since 1991

- Indian Economy on the eve of Independence
- Indian Economy 1950-1990
- Liberalisation, privatisation and globalisation: An Appraisal

Periodic Test-1

Introductory Macroeconomics

- Government Budget and the Economy
- Money and Banking

Indian Economic Development

- Liberalisation, privatisation and globalisation: An Appraisal

Current challenges facing Indian Economy

- Poverty

Unit Test-2

Introductory Macroeconomics

- Balance of Payments

Indian Economic Development

Current challenges facing Indian Economy

- Human Capital Formation

Preliminary and First Term Examination

Indian Economic Development

Development Experience(1947-90) and Economic reforms since 1991

Indian Economy on the eve of Independence

- Indian Economy 1950-1990
- Liberalisation, privatisation and globalisation: An Appraisal

Current challenges facing Indian Economy

- Poverty
- Human Capital Formation
- Rural Development

Introductory Macroeconomics

- Government Budget and the Economy
- Money and Banking
- Balance of Payments

Project Work for Term -1

SECOND TERM

Unit Test-3

Introductory Macroeconomics

- National Income and Related Aggregates

Indian Economic Development

Current challenges facing Indian Economy

- Employment
- Comparative Development Experience of India-A comparison with Neighbours

Unit Test-4

Introductory Macroeconomics

- Determination of Income and Employment

Indian Economic Development

- Current challenges facing Indian Economy
- Infrastructure
- Sustainable Development

Periodic Test-2, Preliminary Examination and Second Term

Examination

Introductory Macroeconomics

- National Income and Related Aggregates
- Determination of Income and Employment

Indian Economic Development

Current challenges facing Indian Economy

- Employment
- Infrastructure
- Sustainable Development

- Comparative Development Experience of India-A comparison with neighbours

Project work for Term-2

BUSINESS STUDIES

UNIT TEST -1

- Nature and Significance of Management
- Principles of Management

PERIODIC TEST -1

- Nature and Significance of Management
- Principles of Management
- Planning
- Organising
- Marketing

UNIT TEST 2

- MARKETING
- BUSINESS ENVIRONMENT

PRELIMINARY AND FIRST TERM EXAMINATION

PART A

1. Nature and Significance of Management
2. Principles of Management
3. Business Environment
- 4 Planning
5. Organising

PART B

6. Marketing Management

Project Work for Term - I

SECOND TERM:

UNIT TEST- 3

PART A

1. Staffing
2. Directing

UNIT TEST- 4

PART A

1. Controlling

PART B

1. Consumer Protection
2. Financial Markets

Periodic Test -2 ,Preliminary Examination and Second Term
Examination

PART A

- Staffing
- Directing
- Controlling

Part B

- Consumer Protection
- Financial Markets

- Financial Management

Project work - IInd Term

APPLIED MATHEMATICS

FIRST TERM

UNIT TEST -1

Pipes & Cisterns, Races and games, Partnership

PERIODIC TEST -1

1. Numbers Quantification & Numerical Applications
2. Matrices
3. Determinants
4. Differentiation & its Application

UNIT TEST -2

Probability Distributions

PRELIMINARY AND FIRST TERM EXAMINATION

1. Numbers Quantification & Numerical Applications
2. Matrices
3. Determinants
4. Differentiation & its Application
5. Probability Distributions
6. Index Numbers and Time Based Data

INTERNAL ASSESSMENT

Activities and Viva

UNIT TEST -3

Integration and its applications

UNIT TEST -4

Differential equations and modelling

PERIODIC TEST -2

1. Integration and its applications
2. Differential equations and modelling
3. Inferential Statistics
4. Index Numbers & Time Based Data (Second Part)
5. Financial Mathematics

PRELIMINARY AND SECOND TERM EXAMINATION

1. Integration and its applications
2. Differential equations and modelling
3. Inferential Statistics
4. Index Numbers & Time-Based Data (Second Part)
5. Financial Mathematics
6. Linear Programming

INTERNAL ASSESSMENT

Activities and Viva
