D.A.V. PUBLIC SCHOOL, NERUL

SYLLABUS- 2021-2022

CLASS - XI

<u>INDEX</u>

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

ENGLISH

Term - 1

Unit Test 1

The Portrait of a Lady (Prose), A Photograph (Poem)

The Summer of the Beautiful White Horse (Prose)

Periodic Test-1

Section A - Reading Comprehension

Section B

Short Writing Task - Notice Writing

Long Writing Task - Business/Official Letters (Letter of Enquiry, Letter of Placing Order and Letter of Complaint), Speech

Grammar

Determiners, Tenses, Re-ordering of Sentences

Section C - Literature

Hornbill - The Portrait of a Lady, A Photograph, We're Not Afraid to Die...if We Can All Be Together

Snapshots - The Summer Of the Beautiful White Horse, The Address

Unit Test - 2

Grammar - Determiners, Tenses, Re-ordering of Sentences

Literature - Discovering Tut: The Saga Continues, The Laburnum Top, Ranga's Marriage

Preliminary and First Term Examination

Section A - Reading Comprehension

Section B

Short Writing Task - Notice Writing

Long Writing Task - Business/Official Letters, Speech

Grammar - Determiners, Tenses, Re-ordering of Sentences

Literature - Hornbill

The Portrait of a Lady, A Photograph,We're Not Afraid to Die...if We Can All Be Together, Discovering Tut: The Saga Continues, The Laburnum Top, The Landscape of the Soul

Snapshots - The Summer Of the Beautiful White Horse, The Address, Ranga's Marriage

ASL for Term 1

Term 2

UNIT TEST - 3

Literature - The Voice of the Rain,The Ailing Planet: The Green Movement's Role, Albert Einstein at School

Grammar - Determiners, Tenses, Re-ordering of Sentences

UNIT TEST - 4

Grammar - Determiners, Tenses, Re-ordering of Sentences

Literature - The Browning Version, Childhood, Mother's Day

Periodic Test-2, Preliminary Examination and Second Term

Section A - Reading Comprehension

Section B

Short Writing Task - Posters

Long Writing Tasks - Official Letters(Letter to school/college authorities,regarding admissions, school issues, requirements/suitability of courses) Debate

Grammar - Determiners, Tenses, Re-ordering of Sentences

Literature - Hornbill

The Voice of the Rain, The Ailing Planet: The Green Movement's Role,

The Browning Version, Childhood, Silk Road

Snapshots - Albert Einstein at School, Mother's Day, Birth

Project work in Term-2

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MATHEMATICS

FIRST TERM

UNIT TEST- 1

   1.Sets

PERIODIC TEST- 1

1.Sets

2.Relations and functions.

3.Complex numbers and quadratic equations.

UNIT TEST- 2.

1.Sequences and series

PRELIMINARY AND FIRST TERM EXAMINATION

1.Sets

2.Relations and functions.

3.Complex numbers and quadratic equations.

4.Sequences and series

5.Straight lines

6.Limits

7.Statistics.

INTERNAL ASSESSMENT

Activities and Viva

SECOND TERM

UNIT TEST- 3

Trigonometric functions

UNIT TEST- 4

Permutations and combinations

PERIODIC TEST - 2

1. Trigonometric function

2. Linear inequalities

3. Permutations and Combinations

4. Conic Sections

5. Introduction to 3D Geometry

PRELIMINARY AND SECOND TERM EXAM

1. Trigonometric function

2. Linear inequalities

3. Permutations and Combinations

4. Conic Sections

5. Introduction to 3D Geometry

6. Derivatives

7. Probability

INTERNAL ASSESSMENT

Activities and Viva

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PHYSICS

FIRST TERM

UNIT TEST -1

1.   Physical world

2.   Units and measurements

3. Motion in a straight line

PERIODIC TEST 1

3. Motion in a straight line

4. Motion in a plane

UNIT TEST -2

5. Laws of motion

6. Work energy power

PRELIMINARY AND FIRST TERM EXAMINATION

1. Physical world
2. Units and measurements

3. Motion in a straight line

4. Motion in a plane

5. Laws of motion

6. Work energy power

7. Rotational motion

8. Gravitation

Practical & project work for Term I

SECOND TERM

UNIT TEST -3

9. Mechanical properties of solid

10. Mechanical properties of fluids

UNIT TEST - 4

11. Thermal properties of matter

12. Thermo dynamics

PERIODIC TEST - 2

13. Kinetic energy

14. Oscillation

15. Waves.

PRELIMINARY AND SECOND TERM EXAMINATION

9. Mechanical properties of solid

10. Mechanical properties of fluids

11. Thermal properties of matter

12. Thermo dynamics

13. Kinetic energy

14. Oscillation

15. Waves.

Practical & project work for Term II

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CHEMISTRY

FIRST TERM

UNIT TEST -1

1.   Some basic concepts of chemistry

PERIODIC TEST -1

1.Structure of atom

2.   Periodic classification of elements

UNIT TEST -2

1. Chemical Bonding

PRELIMINARY EXAM AND FIRST TERM EXAMINATION

1. Some basic concept of Chemistry

2.Atomic Structure

3.Periodic classification of elements

4.Chemical Bonding

5.Redox Reaction

6.Hydrogen

7.Some basic concept of organic chemistry

PRACTICAL Examination

SECOND TERM

UNIT TEST -3

1.States of Matter

UNIT TEST -4

1.Equilibrium

PERIODIC TEST -2

1.s block element

2.p block element

3.Thermodynamics

PRELIMINARY EXAM AND SECOND TERM EXAMINATION

1.Hydrocarbon

2.States of Matter:Gases and Liquids

3.Equilibrium

4.s block element

5.p block element

6.Chemical Thermodynamics

PRACTICAL EXAMINATION

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BIOLOGY

FIRST TERM

UNIT TEST - 1

Chapter-1: The Living World

Chapter-2: Biological Classification

Chapter-3: Plant Kingdom

PERIODIC TEST - 1

Chapter-1: The Living World

Chapter-2: Biological Classification

Chapter-3: Plant Kingdom

Chapter-4: Animal Kingdom

Chapter-5: Morphology of Flowering Plants

UNIT TEST - 2

Chapter-7: Structural Organization in Animals

Chapter-8: Cell-The Unit of Life

Chapter-9: Biomolecules

PRELIMINARY & TERM - I EXAMINATION

Chapter-1: The Living World

Chapter-2: Biological Classification

Chapter-3: Plant Kingdom

Chapter-4: Animal Kingdom

Chapter-5: Morphology of Flowering Plants

Chapter-7: Structural Organization in Animals

Chapter-8: Cell-The Unit of Life

Chapter-9: Biomolecules

Practical for Term - I

SECOND TERM

UNIT TEST - 3

Chapter-10: Cell Cycle and Cell Division

Chapter-13: Photosynthesis in Higher Plants

Chapter-14: Respiration in Plants

Chapter-15: Plant - Growth and Development

UNIT TEST - 4

Chapter-17: Breathing and Exchange of Gases

Chapter-18: Body Fluids and Circulation

Chapter-19: Excretory Products and their Elimination

Chapter-20: Locomotion and Movement

PERIODIC TEST - 2

Chapter-10: Cell Cycle and Cell Division

Chapter-13: Photosynthesis in Higher Plants

Chapter-14: Respiration in Plants

Chapter-15: Plant - Growth and Development

Chapter-17: Breathing and Exchange of Gases

Chapter-18: Body Fluids and Circulation

Chapter-19: Excretory Products and their Elimination

Chapter-20: Locomotion and Movement

Chapter-21: Neural Control and Coordination

Chapter-22: Chemical Coordination and Integration

PRELIMINARY & TERM - II EXAMINATION

Chapter-10: Cell Cycle and Cell Division

Chapter-13: Photosynthesis in Higher Plants

Chapter-14: Respiration in Plants

Chapter-15: Plant - Growth and Development

Chapter-17: Breathing and Exchange of Gases

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COMPUTER SCIENCE

FIRST TERM

UNIT TEST-1

Unit I: Computer Systems and Organisation

● Basic Computer Organisation:

● Types of software:

● Operating system (OS):

PERIODIC TEST 1

Unit II: Computational Thinking and Programming – 1

● Introduction to problem solving

● Basics of Python programming

● Data types

● Operators

● Expressions

● Errors

● Flow of control

● Conditional statements

● Iterative statements

UNIT TEST -2

- Data types

- Operators

- Expressions

- Errors

- Flow of control

- Conditional statements

- Iterative statements

- Number system

- Encoding schemes

- Boolean logic

- Strings

PRELIMINARY AND FIRST TERM EXAMINATION

Unit I: Computer Systems and Organization

- Basic Computer Organization

- Types of software

- Operating system (OS)

Unit II: Computational Thinking and Programming – 1

- Introduction to problem solving

- Familiarization with the basics of Python programming:

- Knowledge of data types

- Operators

- Expressions

- Errors

- Flow of control

- Conditional statements

- Iterative statements

- Number system

- Encoding schemes

- Boolean logic

- Strings

Practical for all programs completed in the class

SECOND TERM

UNIT TEST - 3

Unit II: Computational Thinking and Programming – 1

- Lists

- Tuples

- Introduction to Python modules

UNIT TEST - 4

- Lists

- Tuples

- Dictionary

- Python modules

PERIODIC TEST 2

- Lists

- Tuples

- Dictionary

- Python modules

Unit III: Society, Law and Ethics

- Digital Footprints

- Digital society and Netizen

- Data protection

- Cyber-crime

- Cyber safety

- Safely accessing web sites

- E-waste management

- Indian Information Technology Act (IT Act)

- Technology & Society

Practical for all programs completed in the class

PRELIMINARY AND SECOND TERM EXAMINATION

Complete 2nd Term Syllabus

Practical for all programs completed in the class

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ACCOUNTANCY

UNIT TEST - 1

Part A (FINANCIAL ACCOUNTING 1)

   1)   Unit I- Theoretical framework

  A) Introduction to accounting

  B) Basic accounting terms

2) Theory base of accounting

A) Fundamental accounting assumptions

B) Basis of Accounting- Cash Basis and Accrual Basis

C) Accounting Standards: Applicability in Ind AS

Periodic Test 1

1) Unit I- Theoretical framework

   A) Introduction to accounting

  B) Basic accounting terms

2) Theory base of accounting

A) Fundamental accounting assumptions

B) Basis of Accounting- Cash Basis and Accrual Basis

C) Accounting Standards: Applicability in Ind AS

FINANCIAL ACCOUNTING-I

Unit -1 Theory base of Accounting

Goods and Services Tax (GST)

Characteristics and Objective

Unit -2 Accounting process

A) Accounting Equation

B) Rules of Debit and Credit

C) Recording of transactions - Books of original Entry

(Journal Entries without GST)

D) Ledger format

E) Cash Book

Unit test -2

Unit 2 -Accounting Process

A) Subsidiary Books

B) Journal Entries (with and Without GST)

C) Bank Reconciliation Statement

Preliminary and First Term Examination

Part A- Financial Accounting _1

Unit I - Theoretical Framework

A) Introduction to Accounting

B) Theory Base Accounting

Unit 2 - Accounting Process

A) Recording of Business transactions

B) Bank Reconciliation Statement

C) Deprecation, Provisions and Reserves

a) Depreciation concept, features causes and factors

b) Meaning of depletion and amortisation

c) Problems related to depreciation - (Both SLM & WDV)

d) Provisions of Reserves and different types

e) Difference between Capital and revenue reserve

Project work for Term I

SECOND TERM

UNIT TEST - 3

PART A - (FINANCIAL ACCOUNTING I)

UNIT-2 - ACCOUNTING PROCESS

A) Accounting for Bills of Exchange

1) Features of Bills of Exchange and Promissory Note

2) Various Terminologies used in Bills of Exchange

3) Accounting treatment of Bills of Exchange under various circumstances

B) Trial Balance and Rectification of Errors

1) Trial Balance; Objectives and preparation

2) Errors: Errors of omission and commission and compensating Errors; Detection and rectification

4) Preparation of Suspense Account

UNIT TEST - 4

PART B - FINANCIAL ACCOUNTING II

1) Meaning objectives and importance of revenue and capital receipts

2) Meaning of deferred revenue expenditure

3) Preparation of Trading and P&L A/C and Balance Sheet

4) Adjustments in preparation of financial statements

5) Preparation of financial statements with adjustments

Periodic test- 2, Preliminary Examination and Second Term Examination

Part A- FINANCIAL ACCOUNTING I

Accounting Process

Accounting for Bills of Exchange

Trial Balance and rectification of errors

Part B - FINANCIAL ACCOUNTING II

1) Financial Statements for Sole Proprietorship from Complete and Incomplete records

2) Computers in Accounting

Project work - IInd term

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ENTREPRENEURSHIP

Unit Test-1

Unit 1 - Entrepreneurship- what, why and how

Periodic Test-1

Unit 1 - Entrepreneurship- what, why and how

Unit 2 - An entrepreneur

Unit Test-2

Unit 3 - Entrepreneurship journey

Unit 4 - Entrepreneurship as innovation and problem solving

Preliminary and First Term Examination

Unit 1 - Entrepreneurship- what, why and how

Unit 2 - An entrepreneur

Unit 3 - Entrepreneurship journey

Unit 4 - Entrepreneurship as innovation and problem solving

Project work for Term -1

SECOND TERM

Unit Test-3

Unit 5 - Understanding the market

<u>Unit Test-4</u>

Unit 6 - Business finance and arithmetic

<u>Periodic Test-2, Preliminary Examination and Second Term Examination</u>

Unit 5 - Understanding the market

Unit 6 - Business finance and arithmetic

Unit 7 - Resource Mobilisation

Project work in Term-2

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ECONOMICS

FIRST TERM

Unit Test-1

Statistics for Economics

1. Statistical Tools and Interpretation-Mean,Median and Mode

Periodic Test-1

Introductory Microeconomics

1. Introduction

2. Consumers Equilibrium - Utility approach and Indifference curve approach

Statistics for Economics

1. Introduction

2. Statistical Tools and Interpretation-Mean,Median and Mode

Unit Test-2

Statistics for Economics

1. Collection,Organisation and presentation of Data

Introductory Microeconomics

1. Demand and Elasticity of Demand

Preliminary and First Term Examination

Statistics for Economics

1. Introduction

2. Collection,Organisation and Presentation of Data

3. Statistical Tools and Interpretation-Arithmetic Mean.Median,Mode

I**ntroductory Microeconomics**

1. Introduction

2. Consumers Equilibrium and Demand

Project Work for Term-1

 SECOND TERM

Unit Test-3

Statistics for Economics

1. Statistical Tools and Interpretation-Measures of Dispersion,Correlation,Index numbers

Unit Test-4

I**ntroductory Microeconomics**

1. Producer Behaviour and Supply

Periodic Test-2,Preliminary and Second Term Examination

Statistics for Economics

1. Statistical Tools and Interpretation-Measures of Dispersion,Correlation,Index numbers

Introductory Microeconomics

1. Producer Behaviour and Supply

2. Forms of Market and Price Determination under perfect competition with simple applications

Project work for Term-2

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BUSINESS STUDIES

FIRST TERM

Unit Test -1

Chapter 1   Evolution and Fundamentals of Business

Chapter 2   Forms of business organisation

Periodic Test-1

Chapter 2   Forms of business organisation

Chapter 7   Formation of company

Chapter 3   Private ,Public and Global Enterprise

Unit Test-2

Chapter 4   Business Services

Chapter 5   Emerging Modes of Business

Preliminary and First Term Examination

Chapter 1   Evolution and Fundamentals of Business

Chapter 2   Forms of business organisation

Chapter 7   Formation of company

Chapter 3   Private ,Public and Global Enterprise

Chapter 4   Business Services

Chapter 5   Emerging Modes of Business

Chapter 6   Social Responsibility of Business and Business Ethics

Project Work for Term-1

SECOND TERM

Unit Test -3

Chapter 8   Sources of Business Finance

Chapter 9   Small Business and Entrepreneurship Development

Unit Test-4

Chapter10 Internal Trade

Periodic Test-2, Preliminary and Second Term Examination

Chapter 8   Sources of Business Finance

Chapter 9   Small Business and Entrepreneurship Development

Chapter10 Internal Trade

Chapter 11 International Business

Project Work for Term-2

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APPLIED MATHEMATICS

UNIT TEST I

Sets and Relations

PERIODIC TEST 1

1.Sets and Relations

2.Sequences and Series

3. Functions

UNIT TEST II

1.Calculus

PRELIMINARY EXAMINATION

1.Numbers, quantification and numerical applications

2.Algebra

3.Mathematical Reasoning

4.Calculus

5.Descriptive Statistics

TERM 1

1.Numbers, quantification and numerical applications

2.Algebra

3.Mathematical Reasoning

4.Calculus

5.Descriptive Statistics

Project work in Term 1

UNIT TEST III

Permutations And Combinations

UNIT TEST IV

Probability

PERIODIC TEST II

1.Permutations and Combinations

2.Differentiation

3.Probability

4.Basics of Financial Mathematics

PRELIMINARY EXAMINATION

1.Permutations and Combinations

2.Differentiation

3.Probability

4.Basics of Financial Mathematics

5.Coordinate Geometry

TERM 2

1.Permutations and Combinations

2.Differentiation

3.Probability

4.Basics of Financial Mathematics

5.Coordinate Geometry

Project work in term 2

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