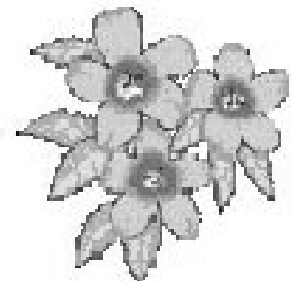


SYLLABUS- 2022-2023

CLASS - XI



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
12. ACTIVITY LIST (2022-23)

ENGLISH

UNIT TEST 1 (50 MARKS)

SECTION A

- READING COMPREHENSION
- FIRST PASSAGE-DISCURSIVE,FACTUAL OR LITERARY PASSAGE
- SECOND PASSAGE-CASE BASED

SECTION B

- DESIGNING A POSTER
- ADVERTISEMENTS
- SPEECH WRITING
- GRAMMAR
- SENTENCE REORDERING
- TENSES

SECTION C

- THE PORTRAIT OF A LADY
- A PHOTOGRAPH
- LABURNUM TOP
- THE SUMMER OF THE BEAUTIFUL WHITE HORSE

FIRST TERM EXAMINATION (80 MARKS)

SECTION A

- READING COMPREHENSION- PASSAGE, POEM

- NOTE - MAKING

SECTION B

- POSTER
- ADVERTISEMENT
- SPEECH WRITING
- GRAMMAR
- SENTENCE REORDERING
- TENSES
- CLAUSES

SECTION C

- THE PORTRAIT OF A LADY
- A PHOTOGRAPH
- WE ARE NOT AFRAID TO DIE... IF WE CAN ALL BE TOGETHER
- DISCOVERING TUT : SAGA CONTINUES
- THE LABURNUM TOP
- THE VOICE OF THE RAIN
- THE CHILDHOOD
- THE SUMMER OF THE BEAUTIFUL WHITE HORSE
- THE ADDRESS
- MOTHER'S DAY

SECOND UNIT TEST (50 MARKS)

SECTION A

- READING COMPREHENSION

- NOTE MAKING

SECTION B

- DESIGNING A POSTER
- WRITING A DEBATE
- GRAMMAR
- CLAUSES
- TRANSFORMATION OF SENTENCES

SECTION C

- SILK ROAD
- BIRTH
- FATHER TO SON
- THE TALE OF MELON CITY

PRELIMINARY EXAMINATION (80 MARKS)

SECTION A

- READING COMPREHENSION- PASSAGE
- NOTE - MAKING

SECTION B

- NOTICE WRITING
- POSTER
- ADVERTISEMENT
- SPEECH
- DEBATE
- GRAMMAR
- SENTENCE REORDERING

- TENSES
- CLAUSES
- TRANSFORMATION OF SENTENCES

SECTION C

- THE PORTRAIT OF A LADY
- A PHOTOGRAPH
- WE ARE NOT AFRAID TO DIE... IF WE CAN ALL BE TOGETHER
- DISCOVERING TUT : SAGA CONTINUE
- THE LABURNUM TOP
- THE VOICE OF THE RAIN
- THE CHILDHOOD
- FATHER TO SON
- THE ADVENTURE
- SILK ROAD
- THE SUMMER OF THE BEAUTIFUL WHITE HORSE
- THE ADDRESS
- MOTHER'S DAY
- BIRTH
- THE TALE OF MELON CITY

FINAL EXAM (80 MARKS)

(INCLUDES THE ENTIRE SYLLABUS)

MATHEMATICS

UNIT TEST 1

- SETS
- RELATION AND FUNCTIONS
- TRIGONOMETRIC FUNCTION

FIRST TERM EXAMINATION

- SETS
- RELATIONS AND FUNCTIONS.
- TRIGONOMETRIC FUNCTIONS.
- PRINCIPLE OF MATHEMATICAL INDUCTION.
- COMPLEX NUMBERS AND QUADRATIC EQUATIONS.
- LINEAR INEQUALITIES.
- PERMUTATIONS AND COMBINATIONS.
- BINOMIAL THEOREMS.
- SEQUENCES AND SERIES.

* INCLUDES THE PORTION OF 1ST TERM EXAMINATION

SECOND UNIT TEST

- STRAIGHT LINES
- LIMITS AND DERIVATIVES

PRELIMINARY EXAMINATION

- COMPLETE SYLLABUS

FINAL EXAM

- COMPLETE SYLLABUS

PHYSICS

FIRST UNIT TEST

- UNITS AND MEASUREMENTS
- MOTION IN A STRAIGHT LINE
- MOTION IN A PLANE
- LAWS OF MOTION
- WORK ENERGY POWER

FIRST TERM EXAMINATION

- UNITS AND MEASUREMENTS
- MOTION IN A STRAIGHT LINE
- MOTION IN A PLANE
- LAWS OF MOTION
- WORK ENERGY POWER
- ROTATIONAL MOTION
- GRAVITATION

PRACTICAL & PROJECT WORK FOR TERM I

SECOND UNIT TEST

- MECHANICAL PROPERTIES OF SOLID
- MECHANICAL PROPERTIES OF FLUIDS
- THERMAL PROPERTIES OF MATTER

PRELIMINARY EXAMINATION

- COMPLETE SYLLABUS

FINAL EXAMINATION

- COMPLETE SYLLABUS

CHEMISTRY

FIRST UNIT TEST

- SOME BASIC CONCEPTS OF CHEMISTRY
- STRUCTURE OF ATOM
- PERIODICITY OF ELEMENTS
- CHEMICAL BONDING(TILL VSEPR THEORY)

FIRST TERM

- CHEMICAL BONDING, CONTINUED
- THERMODYNAMICS
- EQUILIBRIUM

* INCLUDES THE PORTION OF 1ST UNIT TEST

SECOND UNIT TEST

- ORGANIC TECHNIQUES AND BASIC PRINCIPLES OF ORGANIC CHEMISTRY
- HYDROCARBONS
- REDOX REACTIONS

PRELIMINARY EXAMINATION

- COMPLETE SYLLABUS

FINAL EXAMINATION

- COMPLETE SYLLABUS

BIOLOGY

FIRST UNIT

- THE LIVING WORLD
- BIOLOGICAL CLASSIFICATION
- PLANT KINGDOM
- ANIMAL KINGDOM
- MORPHOLOGY OF FLOWERING PLANTS
- ANATOMY OF FLOWERING PLANTS

FIRST TERM EXAMINATION

- THE LIVING WORLD
- BIOLOGICAL CLASSIFICATION
- PLANT KINGDOM
- ANIMAL KINGDOM
- MORPHOLOGY OF FLOWERING PLANTS
- ANATOMY OF FLOWERING PLANTS
- STRUCTURAL ORGANISATION IN ANIMALS
- CELL
- BIOMOLECULES
- CELL CYCLE AND CELL DIVISION

SECOND UNIT TEST

- PHOTOSYNTHESIS
- RESPIRATION IN PLANTS
- PLANT GROWTH AND DEVELOPMENT
- BREATHING AND EXCHANGE OF GASES

PRELIMINARY EXAMINATION

- COMPLETE SYLLABUS

FINAL EXAM

- COMPLETE SYLLABUS

COMPUTER SCIENCE

FIRST UNIT TEST

- COMPUTER SYSTEM OVERVIEW
- DATA REPRESENTATION
- GETTING STARTED WITH PYTHON
- PYTHON FUNDAMENTALS
- DATA HANDLING
- CONDITIONAL & ITERATIVE STATEMENTS

FIRST TERM EXAMINATION

- EMERGING TRENDS
- INTRODUCTION TO PROBLEM SOLVING
- STRING MANIPULATION
- LIST MANIPULATION
- TUPLES
- INTRODUCTION TO PYTHON MODULES
- SORTING TECHNIQUES

SECOND UNIT TEST

- DICTIONARIES
- ONLINE ACCESS & COMPUTER SECURITY
- CYBER SAFETY
- JOURNAL AND PROJECT SUBMISSION
- INCLUDES PORTION COVERED IN PREVIOUS EXAMS

PRELIMINARY EXAMINATION

- SOCIETY LAW AND ETHICS

(INCLUDES THE COMPLETE SYLLABUS)

FINAL EXAM

COMPLETE SYLLABUS

ACCOUNTANCY

FIRST UNIT

PART A (FINANCIAL ACCOUNTING 1)

- UNIT 1- THEORETICAL FRAMEWORK
 - A) INTRODUCTION TO ACCOUNTING
 - B) BASIC ACCOUNTING TERMS

- THEORY BASE OF ACCOUNTING
 - A) FUNDAMENTAL ACCOUNTING ASSUMPTIONS
 - B) RECORDING OF TRANSACTIONS
 - C) ACCOUNTING PRINCIPLES
 - D) ACCOUNTING STANDARDS
 - E) BASES OF ACCOUNTING

- UNIT III- ACCOUNTING PROCESS
 - (I) ACCOUNTING EQUATIONS
 - (II) RULES OF DEBIT AND CREDIT
 - (III) JOURNAL ENTRIES
 - (IV) LEDGER ACCOUNTS
 - (V) CASHBOOK

FIRST TERM EXAMINATION

- PORTION COMPLETED IN FIRST UNIT TEST AND
- SUBSIDIARY BOOKS
- GST
- BANK RECONCILIATION STATEMENT
- RECTIFICATION OF ERRORS
- TRIAL BALANCE

SECOND UNIT TEST

PART B (FINANCIAL ACCOUNTING 2)

- DEPRECIATION
- PROVISIONS AND RESERVES
- FINANCIAL STATEMENTS OF SOLE PROPRIETORSHIP WITH AND WITHOUT ADJUSTMENTS.

PRELIMINARY EXAMINATION

- COMPLETE SYLLABUS

FINAL EXAM

- COMPLETE SYLLABUS

ENTREPRENEURSHIP

FIRST UNIT TEST

UNIT 1 - ENTREPRENEURSHIP- CONCEPT AND FUNCTIONS

UNIT 2- AN ENTREPRENEUR

FIRST TERM EXAMINATION

UNIT 1 - ENTREPRENEURSHIP- CONCEPT AND FUNCTIONS

UNIT 2- AN ENTREPRENEUR

UNIT 3 - ENTREPRENEURIAL JOURNEY

UNIT 4- ENTREPRENEURSHIP AS INNOVATION AND PROBLEM SOLVING

SECOND UNIT TEST

UNIT 5 - CONCEPT OF MARKET

UNIT 6- BUSINESS FINANCE AND ARITHMETIC (TILL PAGE NO. 180)

PRELIMINARY EXAMINATION

UNIT 6- BUSINESS FINANCE AND ARITHMETIC

UNIT 7- RESOURCE MOBILIZATION

* INCLUDES ALL OTHER CHAPTERS ALSO.

FINAL EXAMINATION

FULL SYLLABUS

ECONOMICS

FIRST UNIT TEST

- **STATISTICS FOR ECONOMICS**

1. STATISTICAL TOOLS AND INTERPRETATION-
MEAN, MEDIAN AND MODE
2. INTRODUCTION

- **INTRODUCTORY MICROECONOMICS**

1. INTRODUCTION
2. CONSUMERS EQUILIBRIUM - UTILITY APPROACH AND
INDIFFERENCE CURVE APPROACH

FIRST TERM EXAMINATION

- **STATISTICS FOR ECONOMICS**

1. INTRODUCTION
2. COLLECTION, ORGANISATION AND PRESENTATION OF DATA
3. STATISTICAL TOOLS AND INTERPRETATION-ARITHMETIC
MEAN, MEDIAN, MODE

- **INTRODUCTORY MICROECONOMICS**

1. INTRODUCTION
2. CONSUMERS EQUILIBRIUM AND DEMAND

SECOND UNIT TEST

- **STATISTICS FOR ECONOMICS**

1. STATISTICAL TOOLS AND INTERPRETATION
CORRELATION

- **INTRODUCTORY MICROECONOMICS**

1. PRODUCER BEHAVIOUR AND SUPPLY

PRELIMINARY EXAMINATION

- **STATISTICS FOR ECONOMICS**

1. STATISTICAL TOOLS AND INTERPRETATION
2. 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

FULL SYLLABUS

PROJECT WORK

BUSINESS STUDIES

FIRST UNIT TEST

- CHAPTER 1 BUSINESS TRADE AND COMMERCE
- CHAPTER 2 FORMS OF BUSINESS ORGANISATION
- CHAPTER 7 FORMATION OF COMPANY

FIRST TERM

- CHAPTER 1 BUSINESS TRADE AND COMMERCE
- 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

SECOND UNIT TEST

- CHAPTER 8 SOURCES OF BUSINESS FINANCE
- CHAPTER 9 SMALL BUSINESS AND ENTREPRENEURSHIP

PRELIMINARY EXAMINATION

- CHAPTER1 BUSINESS TRADE AND COMMERCE
- CHAPTER 2 FORMS OF BUSINESS ORGANISATION
- CHAPTER7 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
- CHAPTER 8 SOURCES OF BUSINESS FINANCE

- CHAPTER 9 SMALL BUSINESS AND ENTREPRENEURSHIP DEVELOPMENT
- CHAPTER10 INTERNAL TRADE
- CHAPTER 11 INTERNATIONAL BUSINESS
FULL PORTION
PROJECT WORK

FINAL EXAMINATION

FULL SYLLABUS

APPLIED MATHEMATICS

FIRST UNIT TEST

- SETS AND RELATIONS.
- SEQUENCES AND SERIES.
- PERMUTATIONS AND COMBINATIONS.
- MATHEMATICAL REASONING.

FIRST TERM EXAM

- SETS AND RELATIONS.
- SEQUENCES AND SERIES.
- PERMUTATIONS AND COMBINATIONS.
- MATHEMATICAL REASONING.
- FUNCTIONS.
- LIMITS AND CONTINUITY.
- DIFFERENTIATION.
- PROBABILITY.
- DESCRIPTIVE STATISTICS.

SECOND UNIT TEST

- COMPOUND INTEREST AND ANNUITY.
- TAXATION.
- UTILITY BILLS.
- STRAIGHT LINES.
- CIRCLE AND PARABOLA.

PRELIMINARY EXAM

- COMPLETE SYLLABUS

FINAL EXAMINATION

- COMPLETE SYLLABUS

D.A.V Public School, Nerul

Activity List (2022-23)

Senior Secondary Section

| Month | Date | Day | Activity |
|-----------|-------------------------|----------------|---|
| March | 31/03/2022 | Thursday | Session Begins for XII |
| April | 30/04/2022 | Saturday | No Cooking, Healthy Recipe (Competition) Std. - XII |
| May | 02/05/2022 | Monday | Summer Vacation Begins |
| June | 13/06/2022 | Monday | School Reopens for Std. - XII |
| | 13/06/2022 | Monday | Session Begins for Std. -XI |
| | 21/06/2022 | Tuesday | International Yoga Day |
| | 24/06/2022 | Friday | Each One Plant One (Std. XI & XII) |
| | 25/06/2022 | Saturday | 1st Parent Teacher Interaction (Std. XI & XII) |
| | 24/06/2022 | Friday | Poster Making Competition (Std. XI & XII) |
| July | 01/07/2022 | Friday | Prefectorial Body Selection |
| | 01/07/2022 | Friday | Creative Blog Writing Competition (Std. XI & XII) |
| | 08/07/2022 | Friday | Poem Writing Competition (Std. XI & XII) |
| | 22/07/2022 | Friday | Inter House Quiz Competition |
| August | 12/08/2022 | Friday | Inter House Solo Singing Competition |
| | 15/08/2022 | Monday | Independence Day Celebration / Investiture ceremony |
| | 20/08/2022 | Saturday | 2nd Parent Teacher Interaction (Std. XI & XII) |
| | 22/08/2022 - 26/08/2022 | Monday- Friday | 1st Unit Test (Std. XI & XII) |
| September | 05/09/2022 | Monday | Teacher's Day Celebration |
| | 09/09/2022 | Friday | Inter House English Debate |
| | 23/09/2022 | Friday | Mime / AdMad |

| | | | |
|----------|-------------------------|--------------------|---|
| October | 10/10/2022 - 19/10/2022 | Monday - Wednesday | 1st Term Exams (Std. XI & XII) |
| | 14/10/2022 | Friday | Stand-Up Comedy |
| | 19/10/2022 | Wednesday | Inter House Rangoli Competition |
| | 29/10/2022 | Saturday | 3rd Parent Teacher Interaction (Std. XI & XII) |
| November | 05/11/2022 | Saturday | Photography Competition (Std. XI & XII) |
| | 10/11/2022 | Thursday | Shark Tank (Std. XI & XII) |
| | 11/11/2022 | Friday | Inter House Solo Dance Competition |
| | 2nd Week | | Picnic |
| | 19/11/2022 | Saturday | Science and Maths Exhibition |
| | 19/11/2022 | Saturday | Earn While You Learn (ED Project) |
| | 19/11/2022 | Sunday | Best Out Of Waste |
| December | 12/12/2022 - 16/12/2022 | Monday - Friday | 2nd Unit Test (Std. XI) |
| | 12/12/2022 - 21/12/2022 | Monday - Wednesday | 1st Preboard (Std. XII) |
| January | 07/01/2023 | Saturday | 4th Parent Teacher Interaction (XI & XII) |
| | 09/01/2023 - 18/01/2023 | Monday - Wednesday | 2nd Preboard for Std. - XII & Preboard for Std.- XI |
| | 26/01/2023 | Thursday | Republic Day Celebration |
| February | 04/02/2023 | Saturday | Farewell to (Std. - XII) |
| | 18/02/2023 | Saturday | 5th Parent Teacher Interaction (XI & XII) |
| | 3rd Week | | Final Examination for (Std. - XI) |
| March | 2nd Week | | Declaration of Result (Std. - XI) |
| | 2nd Week | | New Academic Session Begins for (Std XII) |

PRINCIPAL

