

**SACRED HEART SR. SEC. SCHOOL HALDWANI
SYLLABUS HALF YEARLY EXAMINATION
CLASS XI & XII**

CLASS XI

English

Prose – The Last Lesson

Lost Spring

Deep Water

The Rattrap

Poetry – My Mother at Sixty-Six

Keeping Quiet

A Thing of Beauty

Vistas – The Third Level

The Tiger King

Journey to the End of the Earth

The Enemy

Grammar – Formal, Informal Invitation

Article, Report Writing, Notice Writing

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Geography –

Book: Fundamentals of Human Geography

1. Human Geography – Nature and Scope
2. The World Population – Density and Growth
3. Human Development
4. Primary Activities
5. Secondary Activities
6. Tertiary Activities
7. Transport, Communication and Trade
8. International Trade
(Political Map)

SOCIOLOGY

Part - 1

1. Sociology and Society
2. Terms, Concepts and Their Use in Sociology
3. Understanding Social Institutions

Part - 2

1. Social Structure, Stratification and Social Processes in Society
2. Social Change and Social Order in Rural and Urban Society
3. Environment and Society

History

Part I – Bricks, Beads and Bones – The Harappan Civilisation

2. Kings, Farmers and Towns

3. Kinship, Caste and Class

PHYSICAL EDU.

Unit 1: Changing Trends & Career in Physical Education

1.1 Concept, Aims and Objectives of Physical Education

1.2 Development of Physical Education in India – Post Independence

1.3 Changing Trends in Sports – playing surface, wearable gears and sports equipment, technological advancements

1.4 Career Options in Physical Education

1.5 Khelo India and Fit-India Programme

Unit 2: Olympism Value Education

2.1 Olympic Value – Concept and Olympic Values (Excellence, Friendship & Respect)

2.2 Development of Olympics – Unit of Effort, Fair Play, Respect for Others, Pursuit of Excellence, Balance Among Body, Will & Mind

2.3 Ancient and Modern Olympics

2.4 Olympics – Symbol, Motto, Flag, Oath and Anthem

2.5 Olympic Movement Structure – IOC, NOC, IFs, Other Members

Unit 3: Yoga ..

3.1 Meaning and Importance of Yoga .

3.2 Introduction to Ashtanga Yoga 3.3 Introduction to Yogic Kriyas (Shat Karma)

3.4 Pranayama and its types

3.5 Active Lifestyle and Stress Management through Yoga

Unit 4: Physical Education and Sports for Children with Special Needs

4.1 Concept of Disability and Disorder

4.2 Types of Disability, its Causes and Nature (Intellectual Disability, Physical Disability)

4.3 Disability Etiquettes 4.4 Aim and Objectives of Adaptive Physical Education

4.5 Role of Various Professionals for Children with Special Needs – Counsellors, Occupational Therapist, Physiotherapist, Physical Education Teacher, Speech Therapist and Special Educator

Unit 5: Physical Fitness, Wellness, and Lifestyle

5.1 Meaning and Importance of Wellness, Health and Physical Fitness

5.2 Components/Dimensions of Wellness, Health and Physical Fitness

5.3 Traditional Sports and Regional Games

5.4 Leadership through Physical Activity and Sports

5.5 Introduction to First Aid – PRICE

Unit 6: Test, Measurements & Evaluation

6.1 Definition of Test, Measurement and Evaluation

6.2 Importance of Test, Measurements and Evaluation in Sports 6.3 Calculation of BMI, Waist–Hip Ratio, Skin fold measurement (3-site)

6.4 Somato Types (Endomorphy, Mesomorphy & Ectomorphy) .

6.5 Measurements of health-related fitness

CLASS XII SYLLABUS

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MATHEMATICS

- 1-Relations and Functions,**
- 2-Inverse Trigonometric Functions,**
- 3-Matrices,**
- 4- Determinants**
- 5-Continuity and differentiability**
- 6-Application of derivatives**

PHYSICS

- 1. electric charges and fields**
- 2 electrostatic potential and capacitance**
- 3 current electricity**
- 4 Moving charges and magnetism**
- 5 magnetism and matter**
- 6 electromagnetic induction 7 alternating current**
- 8 electromagnetic waves**

Chemistry

- 1.Solutions**
- 2 Electrochemistry**
- 3 chemical kinetics**
- 4 d and f block elements**
- 5 coordination compounds**

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- 7. Transport, Communication and Trade**
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(Political)

History

Part I – Bricks, Beads and Bones – The Harappan Civilisation

- 2. Kings, Farmers and Towns**
- 3. Kinship, Caste and Class**
- 4. Thinkers, Belief and Buildings – Cultural Developments**
- 5. India's External Relations**
- 6. Challenges to and Restoration of the Congress System**

History

Part II – Through the Eyes of Travellers – Perceptions of Society

- 2. Bhakti-Sufi Traditions**
- 3. An Imperial Capital – Vijayanagar**
- 4. Peasants, Zamindars and the State – Agrarian Society**

(Map Work)

Political Science

Part A –

- 1. The End of Bipolarity**
- 2. Contemporary Centres of Power**
- 3. Contemporary South Asia**
- 4. International Organisations**

Part B –

- 1. Challenges of Nation Building**
- 2. Era and Party of Dominance**
- 3. Politics of Planned Development**

CLASS XII - EMPLOYABILITY SKILLS - PART A

Unit 1: Communication Skills

Session 1 Active Listening

Session 2 Parts of Speech

Session 3 Writing Sentences

Unit 2: Self-management Skills

Session 1 Motivation and Positive Attitude

Session 2 Result Orientation

Session 3 Self-awareness

Unit 3: Information and Communication Technology Skills

Session 1 Getting Started with Spreadsheet

Session 2 Performing Basic Operations in a Spreadsheet

Session 3 Working with Data and Formatting Text

Session 4 Advanced Features in Spreadsheet

Session 5 Presentation Software

Session 6 Opening, Closing, Saving and Printing a Presentation

Session 7 Working with Slides and Text in a Presentation

Session 8 Advanced Features used in Presentation

UNIT-I: SELLING/MARKETING/EXHIBITING A PRODUCT THROUGH ADVERTISING

Chapter 1: Advertising concept & process

- 1. Product**
- 2. specifications**
- 3. Targeting**
- 4. buyers**

Chapter 2: Functions of Advertising

- 1. Promotion of product**

2. Drive sales
3. Build a brand identity
4. Increase the buzz

Chapter 3: Types of advertising

1. Print-newspapers, magazines, brochures, fliers, posters
2. OOH-billboards, kiosks, tradeshow events
3. Broadcast advertising - Radio, TV, digital Internet + mobile
4. In film' promos
5. Celebrity endorsements
6. Cross promotions
7. Merchandise
8. Games (Mobile and computer)
9. Covert advertising

Chapter 4: Forms of Advertising

1. Product Advertising
2. Institutional Advertising (Corporate)
3. Social Service – PSA Advocacy Advertising
4. Comparative Advertising Cooperative Advertising Direct Mail.
5. A Point-of-Purchase Advertising.
6. Informational Advertising.

UNIT II: INTRODUCTION TO THE PRODUCTION PROCESS

Chapter 1: Film

1. Pre- shooting stage.
2. Shooting Stage.
3. Post-shooting Stage.

Chapter 2: TV

1. Pre- shooting stage.
2. Shooting Stage.
3. Post-shooting Stage.

Chapter 3: Print

1. Planning, writing, editing, designing.

Chapter 4. Radio

1. Planning, recording, editing, transmission.

Chapter 5. Internet

1. Planning, Creating and delivering.

MULTIMEDIA

Unit 1: 3D Production Pipeline

Session 1: Pre-Production

Session 2: Production-1

Session 3: Production-2

Session 4: Post-Production

Unit 2: Basics of Video and Sound Editing

Session 1: Introduction to adobe premiere pro

Session 2: Editing video

Session 3: Introduction to adobe sound booth

Session 4: Editing sound

TYPOGRAPHY AND COMPUTER APPLICATIONS

Unit-1 : Correspondence

Session: Business Correspondence

- Three styles of typing letters: indented style,
- * Block Style/Fully Blocked Style and Semiblock style

Session: Official Correspondence

- Types of official correspondence:
- * Memorandum, Office Order, DO letter and Office Note

Unit-3 : Excel

Session: Basics of Excel

- Creation of workbook/worksheet
- Opening an Existing workbook Data Entry/deletion in the Existing workbook
- Saving/save as an Existing Workbook
- Printing the workbook
- Closing the workbook

Session: Editing in Excel/worksheets

- Selecting – the cell, row, column, worksheet and
- Editing of data in worksheet
- Addition – worksheets, cells, rows and columns,
- Resizing – rows and columns
- Moving and copying cells, drag and drop
- Freezing of panes to lock of specific rows or columns
- Find and replace data in a worksheet
- Auto fill the data

Session : Formatting in Worksheets

- Formatting - cells, rows and columns
- Formatting – Text, fonts, margins, Fill colours
- * Formatting - Using style Toolbar – Modifying and removing cell style
- * Auto formatting of text
- AutoCorrect – typos and misspelled words, insert symbols and other texts
- * Format painter

COMPUTER SCIENCE

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.

ECONOMICS

Indian Economic Development

Ch 1, Indian Economy on the Eve of Independence.

Ch 2. Five Year Plans in India.

Ch3. Agriculture, Industry and Trade (1950-1990)

Ch4. Economic Reforms Since 1991: New Economic Policy

Ch5. Poverty

Ch6. Human Capital Formation in India

Ch7. Rural Development.

Ch8. Employment

Ch9. Environment and Sustainable Development

Ch10. Comparative Development Experiences of India and Its Neighbours

Accountancy

Chapter : 1,2,3,4,5

Basic concept of Partnership admission of partner retirement of partner death of partner and dissolution of firm.

Business studies

Chapter 1,2,3,4,5

Management (Nature and Concept) principle of management, business environment, Planning, Organising.