

NILGIRI HILLS PUBLIC SCHOOL

ANNUAL SYLLABUS (2017-18)

CLASS XII

Subject – Economics

Unit Test 1:

Micro Economics

Chapter 6 - Price Elasticity of Demand

Chapter 7 - Production Function and Returns to a factor

Chapter 8 - Concept of Cost

Chapter 9 - Concept of Revenue

Term 1:

Micro Economics

Chapter 1 - Economics & Economy

Chapter 2 - Central Problems of Economy

Chapter 3 - Consumer's Equilibrium – Utility Analysis

Chapter 4 - Consumer's Equilibrium – Indifference Curve Analysis

Chapter 5 - Theory of Demand

Chapter 6 - Price Elasticity of Demand

Chapter 7 - Production Function & Returns to a factor

Chapter 8 - Concept of Cost

Chapter 9 - Concept of Revenue

Chapter 10 - Producer's Equilibrium

Chapter 11 - Theory of Supply

Chapter 12 - Forms of Market

Chapter 13 - Market equilibrium under perfect competition and effects of shifts in demand & supply

Macro Economics

Chapter 1 - Some Basic Concepts of Macro Economics

Chapter 2 - National Income and related Aggregates

Chapter 3 - Methods of Calculating National Income

Unit Test 2:

Macro Economics

Chapter 4 - Money & Supply of Money

Chapter 5 - Banking: Commercial Banks & the Central Bank

Chapter 6 - Aggregate Demand and its components

Chapter 7 - Short Run Equilibrium Output

Term 2:

Micro Economics

Chapter 1 - Economics & Economy

Chapter 2 - Central Problems of Economy

Chapter 3 - Consumer's Equilibrium – Utility Analysis

Chapter 4 - Consumer's Equilibrium – Indifference Curve Analysis

Chapter 5 - Theory of Demand

Chapter 6 - Price Elasticity of Demand

Chapter 7 - Production Function & Returns to a factor

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Macro Economics

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Chapter 6 - Aggregate Demand and its components

Chapter 7 - Short Run Equilibrium Output

Chapter 8 - Problems of Deficient Demand and Excess Demand

Chapter 9 - Government Budget and the Economy

Chapter 10 - Foreign Exchange Rate

Chapter 11 - Balance of Payment

SUBJECT- MULTIMEDIA AND WEB TECHNOLOGY (067)

UT1:

Chapter 1: Revision of class XI

Chapter 2: Computer System: Databases

Chapter 3: Communication and Network Concepts

Chapter 4: Introduction to Open Source Software

Chapter 5: Multimedia Applications

FIRST TERM:

Chapter 1 to 10

Chapter 6: Getting Started with PHP

Chapter 7: PHP: Variables and Operators

Chapter 8: PHP: Built-in Functions and Arrays

Chapter 9: PHP: Flow of Control

Chapter 10: PHP: User Defined Functions

PRACTICAL EXAM:

- Programs based on PHP from chapters 1 to 10.
- Practical File
- Viva

Pre-Boards:

Chapter 11: PHP: Forms

Chapter 12: PHP: Working with text files

Chapter 13: Connecting with Databases

Chapter 14: Flash – An Introduction

Chapter 15: Creating Animation

Chapter 16: Publishing Flash Movies

Complete Syllabus (Chapter 1 to 16)

PRACTICAL EXAM:

- Project Work
- Practical File
- PHP programs
- Viva

SUBJECT-COMPUTERS SCIENCE (083)

UT-1

Chapter-11 Database Concepts
Chapter-12 Structural Query Language
Chapter-13 Boolean Algebra
Chapter-14 Communication Network Concepts

TERM-1

Chapter-1 C++ Revision Tour
Chapter-2 Object Oriented Programming
Chapter-3 Function Overloading
Chapter 4 -Class & objects
Chapter 5 - Constructor and destructor
Chapter-11 Database Concepts
Chapter-12 Structural Query Language
Chapter-13 Boolean Algebra
Chapter-14 Communication Network Concepts

PRACTICAL EXAM:

- Practical File
- C++ Programs
- Viva

PRE BOARDS

Chapter-6 Inheritance: Extending classes
Chapter 7 – Data Handling
Chapter -8 Pointers
Chapter -9 Arrays
Chapters-10 Link List, Stack, Queues
Complete Syllabus (Ch 1 to 14)

PRACTICAL EXAM:

- C++ Project
- Practical File
- C++ Programs
- Viva

ACCOUNTANCY (Code No. - 055)

UNIT TEST – I

CHAPTER 1- FUNDAMENTALS OF PARTNERSHIP

HALF YEARLY EXAMINATION

PART – A

CHAPTER 1- FUNDAMENTALS OF PARTNERSHIP

CHAPTER 2- VALUATION OF GOODWILL

CHAPTER 3- CHANGE IN PROFIT SHARING RATIO

CHAPTER 4- ADMISSION OF A PARTNER

CHAPTER 5- RETIREMENT / DEATH OF A PARTNER

6.) CHAPTER 6 -DISSOLUTION OF A PARTNERSHIP

PART – B

CHAPTER 1 - FINANCIAL STATEMENTS OF A COMPANY

CHAPTER 2 - FINANCIAL STATEMENT ANALYSIS

CHAPTER 3 - TOOLS OF FINANCIAL STATEMENT ANALYSIS - COMPARATIVE STATEMENTS AND COMMON SIZE STATEMENTS

CHAPTER 4 - ACCOUNTING RATIOS

PRE- BOARD EXAMINATION

FULL SYLLABUS

PART – A

CHAPTER 1- FUNDAMENTALS OF PARTNERSHIP

CHAPTER 2- VALUATION OF GOODWILL

CHAPTER 3- CHANGE IN PROFIT SHARING RATIO

CHAPTER 4- ADMISSION OF A PARTNER

CHAPTER 5- RETIREMENT / DEATH OF A PARTNER

CHAPTER 6 -DISSOLUTION OF A PARTNERSHIP

CHAPTER 7- ACCOUNTING FOR SHARE CAPITAL

CHAPTER 8 - ISSUE OF DEBENTURE

CHAPTER 9 - REDEMPTION OF DEBENTURES

PART – B

10.) CHAPTER 1 - FINANCIAL STATEMENTS OF A COMPANY

CHAPTER 2 - FINANCIAL STATEMENT ANALYSIS

CHAPTER 3 - TOOLS OF FINANCIAL STATEMENT ANALYSIS - COMPARATIVE STATEMENTS AND COMMON SIZE STATEMENTS

CHAPTER 4 - ACCOUNTING RATIOS

14.) CHAPTER 5 - CASH FLOW STATEMENT

PART – C

15.) PROJECT WORK

BUSINESS STUDIES (Code No.- 054)

UNIT TEST - I

CHAPTER 1 - Nature and Significance of Management

CHAPTER 2 - Principles of Management

HALF YEARLY EXAMINATION

CHAPTER 1 - Nature and Significance of Management

CHAPTER 2 - Principles of Management

CHAPTER 3 - Business Environment

- CHAPTER 4 - Planning
- CHAPTER 5 - Organizing
- CHAPTER 6 - Staffing
- CHAPTER 7 - Directing
- CHAPTER 8 – Controlling
- CHAPTER 11- Marketing Management

PRE- BOARD EXAMINATION – Full Syllabus

Part A: Principles and Functions of Management

CHAPTER 1 - Nature and Significance of Management

CHAPTER 2 - Principles of Management

CHAPTER 3 - Business Environment

CHAPTER 4 - Planning

CHAPTER 5 - Organizing

CHAPTER 6 - Staffing

CHAPTER 7 - Directing

CHAPTER 8 - Controlling

Part B: Business Finance and Marketing

CHAPTER 9- Financial Management

CHAPTER 10- Financial Markets

CHAPTER 11- Marketing Management

CHAPTER 12- Consumer Protection

PROJECT WORK

ENGLISH Core (CODE-301)

<i>S N o.</i>	<i>Month</i>	<i>Flamingo (TextBook) Prose/Poem</i>	<i>Vistas-(Supplementary Book) The Invisible Man -HG Wells(Novel) (Discussion & Questions onTheme,Plot,Charac ters and Incidents)</i>	<i>Reading and Writing Skills</i>
1	UT1	L-1.The Last Lesson (Prose) P-1.My Mother at Sixty- Six (Poem) P-2. An Elementary School Classroom In A Slum (Poem) L-2.Lost Spring	L-1. The Tiger King (vistas) 2. (The Invisible Man ch-1-6	Poster Designing. (Social issues , general awareness,commercialiss ues,Advertisement,Notice Writing, Letter to Editor Article writing
2	IST TERM	1.L-2. Lost Spring(Prose) 2. Deep Water 3.Keeping quiet 4.A Thing of beauty 5.Indigo	The Enemy Should Wizard hit the Mommy Novel-Invisible Man-Chapters 1-12	1.Note Making 2. Business Letters 3. Job Application 4. Report Writing 5. Writing a Speech 6.Invitation

3	Ind UT	1.The Rattrap 2.Aunt Jennifers Tigers 3.Going Places	Going Places Evans Tries O Level Memories of Childhood Novel-Invisible Man-13-28	Debate Report Writing Formal Letter
4	Preboard	Complete Book	Complete Book Entire Novel	Notice/invitation/poster/a dvertisement Formal Letter/Job Application/BusinessLett ers Article Writing/Report Writing/Speech

PHYSICS

UT-I

Electric Charges and Forces

Electrostatic Potential and Capacitance

Current Electricity

Moving Charges and Magnetism

Magnetism and Matter

HALF YEARLY TERM-I

Electric Charges and Forces

Electrostatic Potential and Capacitance

Current Electricity

Moving Charges and Magnetism

Magnetism and Matter

Electromagnetic Induction

Alternating Current

Electromagnetic Waves

Dual Nature of Matter and Radiation

PREBOARD(full syllabus)

Electric Charges and Forces

Electrostatic Potential and Capacitance

Current Electricity

Moving Charges and Magnetism

Magnetism and Matter

Electromagnetic Induction

Alternating Current

Electromagnetic Waves

Optics

Dual Nature of Matter and Radiation

Atom and Nuclei

Electronic Devices

FINAL EXAMINATION

SAME as PRE BOARD

FULL SYLLABUS

CHEMISTRY

PERIODIC TEST-1

CHAPTER -1 SOLID STATE

CHAPTER-2 SOLUTION

CHAPTER-3 ELECTRO CHEMISTRY

PERIODIC TEST -2

CHAPTER -1 SOLID STATE

CHAPTER-2 SOLUTION

CHAPTER-3 ELECTRO CHEMISTRY

CHAPTER-4 CHEMICAL KINETICS

CHAPTER-5 SURFACE CHEMISTRY

CHAPTER-6 GEN. PRINCIPLES AND PROCESSES OF ISOLATION OF ELEMENTS

CHAPTER-7 THE P-BLOCK ELEMENTS

CHAPTER-8 THE d AND f – BLOCK ELEMENTS

CHAPTER-9 COORDINATION COMPOUNDS

CHAPTER-10 HALOALKANES AND HALOARENES

PRE BOARD -1

CHAPTER -1 SOLID STATE

CHAPTER-2 SOLUTION
 CHAPTER-3 ELECTRO CHEMISTRY
 CHAPTER-4 CHEMICAL KINETICS
 CHAPTER-5 SURFACE CHEMISTRY
 CHAPTER-6 GEN. PRINCIPLES AND PROCESSES OF ISOLATION OF ELEMENTS
 CHAPTER-7 THE P-BLOCK ELEMENTS
 CHAPTER-8 THE d AND f – BLOCK ELEMENTS
 CHAPTER-9 COORDINATION COMPOUNDS
 CHAPTER-10 HALOALKANES AND HALOARENES
 CHAPTER-11 ALCOHOL, PHENOLS AND ETHERS
 CHAPTER-12 ALDEHYDE KETONE AND CARBOXYLIC ACID
 CHAPTER-13 AMINES
 CHAPTER-14 BIOMOLECULES
 CHAPTER-15 POLYMER
 CHAPTER-16 CHEMISTRY IN EVERYDAY LIFE
PREBOARD -2
SAME AS PREBOARD -1

BIOLOGY

Exam	CHAPTER
UT-1	Principles of inheritance and variation , Molecular basis of inheritance
SA-1	Reproduction in organisms , Reproduction in plants (sexual), Human reproduction ,Reproductive Health, Strategies for enhancement in food production , Principles of inheritance and variation , Molecular basis of inheritance Microbes in human welfare ,Evolution ,Human Health and disease
UT-2	Biotechnology – principle and processes Biotechnology and its application
SA-2	Principles of inheritance and variation , Molecular basis of inheritance Reproduction in organisms , Reproduction in plants (sexual), Human reproduction ,Reproductive Health, Strategies for enhancement in food production , Principles of inheritance and variation , Molecular basis of inheritance Microbes in human welfare ,Evolution ,Human Health and disease ,Biotechnology – principle and processes Biotechnology and its application Ecology : organisms and populations Ecosystem Biodiversity and conservation Environmental issues

MATHEMATICS

U.T. 1

Ch – 2(Inverse trigonometry), 3(Matrices) and 4(Determinants)

First Terminal Examination

Ch – 2(Inverse trigonometry), 3(Matrices), 4(Determinants), 5(Continuity & derivatives) and 6(Application of derivatives), 7(Integration), 8(Applications of integration) and 12(L.P.P.)

Pre Board Examination

Ch -1(Relations and functions), Ch – 2(Inverse trigonometry), 3(Matrices), 4(Determinants), 5(Continuity & derivatives) and 6(Application of derivatives), 7(Integration) and 8(Applications of integration), Ch – 9(Diff equations), 10(Vector algebra), 11(3 D geometry), 12(Probability), and 13(L.P.P.)

GEOGRAPHY

UNIT TEST -1

BOOK -1 (FUNDAMENTAL OF HUMAN GEOGRAPHY)

CH-1 HUMAN GEOGRAPHY : NATURE AND SCOPE

CH-2 THE WORLD POPULATION : DISTRIBUTION, DENSITY AND GROWTH

CH-3 POPULATION COMPOTION

CH-4 HUMAN DEVELOPMENT

PRACTICAL- CH-1 DATA SOURCE AND COMPILATION

TERM-1

BOOK-1 FUNDAMENTAL OF HUMAN GEOGRAPHY

CH-5 PRIMARY ACTIVITIES

CH-6 SECONDARY ACTIVITIES

CH-7 TERTIARY AND QUATERNARY ACTIVITIES

CH-8 TRANSPORT AND COMMUNICATION

CH-9 INTERNATIONAL TRADE

CH-10 HUMAN SETTLEMENT

PR- CH-2 DATA PROCESSING

CH-3 GRAPHICAL PRESENTATION OF DATA + (UT-1)

PREBOARD

BOOK -2 (INDIA : PEOPLE AND ECONOMY)

CH-1 POPULATION : DISTRIBUTION, DENSITY , GROWTH AND COMPOSITION

CH-2 MIGRATION: TYPES, CAUSES AND CONSEQUENCES

CH-3 HUMAN DEVELOPMENT

CH-4 HUMAN SETTLEMENT

CH-5 LAND RESOURCE AND AGRICULTURE

CH-6 WATER RESOURCES

CH-7 MINERAL AND ENERGY RESOURCES

CH-8 MANUFACTURING INDUSTRIES

CH-9 PLANNING AND SUSTAINABLE DEVELOPMENT IN INDIAN CONTEXT

CH-10 TRANSPORT AND COMMUNICATION

CH-11 INTERNATIONAL TRADE

CH-12 GEOGRAPHICAL PERSPECTIVE ON SELECTED ISSUES

PR-CH-4 USE OF COMPUTER IN DATA PROCESSING AND MAPPING

CH-5 SPATIAL INFORMATION TECHNOLOGY

+ BOOK-1 (FUNDAMENTAL OF HUMAN GEOGRAPHY)

SUBJECT- HISTORY

UNIT-I

CHAPTER -1. Bricks, beads and bones

- 2. Kings, Farmers And Towns**
- 3. Kinship, Caste And Class**
- 4. Thinkers, Beliefs And Building**

SA-I

CHAPTER-5. Through The Eyes Of Travelers

- 6. Bhakti-Sufi Traditions**
- 7. An Imperial Capital: Vijayanagara**
- 8. Peasents, Zamindars And The State**

UNIT-II

CHAPTER-9. Kings And Chronicles

- 10. Colonialism AndTheCountryside**
- 11. Rebels And The Raj**
- 12. Colonial Cities**

SA-II

CHAPTER -1. Bricks, beads and bones

- 2. Kings, Farmers And Towns**
- 3. Kinship, Caste And Class**
- 4. Thinkers, Beliefs And Building**
- 5. Through The Eyes Of Travelers**
- 6. Bhakti-Sufi Traditions**
- 7. An Imperial Capital: Vijayanagara**
- 8. Peasents, Zamindars And The State**
- 9. Kings And Chronicles**
- 10. Colonialism AndTheCountryside**
- 11. Rebels And The Raj**
- 12. Colonial Cities**
- 13. Mahatma Gandhi And The Nationalist Movement**
- 14. Understanding Partition**
- 15. Framing The Constitution : The Beginning Of A New Era**

POLITICAL SCIENCE

U.T-1

Contemporary World Politics

Chapter 1- The Cold war era

Chapter-2- The end of bipolarity

Term- 1

Contemporary world politics

Chapter 1- The cold war era

Chapter-2- The end of bipolarity

Chapter-3- U.S. hegemony in world politics

Chapter-4- Alternative centres of power

Chapter-5- Contemporary south asia

Politics in india since independence

Chapter 1- Challenges of nation building

Chapter-2- Era of one party dominance

Chapter -3- Politics of planned development

Chapter 4- India's external relations

Chapter-5- Challenges to and restoration of the congress system

Chapter-6- The crisis of democractic order

Pre- Board 1

Contemporary world politics

Chapter-6- International organizations

Chapter-7- Security in contemporary world

Chapter-8- Environment and natural resources

Chapter -9- globalisation

Politics in india since independence

Chapter-7- Rise of popular movements

Chapter-8- Regional aspirations

Chapter-9- Recent development in Indian politics

Full syllabus

Contemporary world politics

(chapter 1-9)

Politics in India since independence

(Chapter 1-9)

Pre board 2

Full syllabus

Contemporary world politics

(ch 1 – ch-9)

Politics in india since independence

(ch 1 –ch9)

PHYSICAL EDUCATION

UT-1:

Ch 1,2,3

Ch 1: Planning in Sports

Ch 2: Adventure sports and leadership training

Ch 3: Sports and Nutrition

TERM-1:

Chapter 1,2,3,4,5,6

Ch 4: Posture

Ch 5: Children and Sports

Ch 6: Women and Sports

Pre Board I and II (Full Syllabus):

Ch 7: Test & Measurement in Sports

Ch 8: Physiology and Sports

Ch 9: Sports Medicine

Ch 10: Biomechanics and Sports

Ch 11: Psychology and Sports

Ch 12: Training in Sports

Complete Syllabus (Ch 1 to 12)

हिंदी

UT 1

अंतराकाव्य-पाठ-2,3 गद्य पाठ-2,3

अभिव्यक्ति और माध्यम-पाठ-3,4

अंतराल पाठ-1 सूरदास की झोपड़ी

Term 1

अंतरा - काव्य - पाठ -1 से 8 तक

गद्य-पाठ-गद्यपाठ-1 से 8 तक

अभिव्यक्ति और माध्यम-पाठ-3,4,5,6,7,8,11,12

अंतराल - पाठ- 1 से 3

व्याकरण-कार्यालयी पत्र, अपठित गद्यांश व्काव्यांश, रचनात्मक लेखन

UT 2

अंतरा- काव्य पाठ-7,8

गद्य पाठ-7,8

अंतराल पाठ-3

अभिव्यक्ति और माध्यमपाठ-5,6,7,8

Final year

Term 1 सहित

अंतरा-काव्य - पाठ 9 से 11

गद्यपाठ -9 और 10

अभिव्यक्ति और माध्यम-पाठ-13,14,15,16

अंतराल-पाठ- 4

व्याकरण-कार्यालयी पत्र, अपठित गद्यांश व्काव्यांश, रचनात्मक लेखन