

**NILGIRI HILLS PUBLIC SCHOOL**

**ANNUAL SYLLABUS (2017-18)**

**CLASS XI**

**SUBJECT- MULTIMEDIA AND WEB TECHNOLOGY (067)**

**UT1:**

Chapter 1: Computer System

Chapter 2: Getting Started with HTML

Chapter 3: Formatting HTML

Chapter 4: Creating Lists in HTML-

Chapter 5: Linking in HTML

**TERM -1**

Chapter 1 to 5

Chapter 6: Playing with Images and Sounds

Chapter 7: HTML Table Basics

Chapter 8: HTML Framing

Chapter 9: Adding Forms

**PRACTICAL EXAM:**

- Programs based on PHP from chapters 1 to 9
- Practical File
- Viva

**UT2:**

Chapter 10: Understanding DHTML and DOM

Chapter 11: Cascading Style Sheets

Chapter 12: Getting Started with XML

Chapter 13: Web Scripting – An Introduction

**FINAL EXAM:**

Chapter 1 to 13

Chapter 14: Control Statements

Chapter 15: Functions

Chapter 16: Object Based Programming

Chapter 17: Programming the Browser

Chapter 18: Event Handling

Chapter 19: Multimedia

Chapter 20: Image Editing Tool

**Complete Syllabus (Ch 1 to 20)**

**PRACTICAL EXAM:**

- Project Work
- Programs based on HTML and Javascript
- Practical File
- Viva

## **UNIT TEST- 1**

Chapter-1: Introduction To Accountancy  
Chapter-2: Basic Accounting Terms  
Chapter-3: Theory Base Of Accounting

## **TERM- I EXAMINATION**

Chapter-4: Bases Of Accounting  
Chapter-5: Accounting Equations  
Chapter-6: Accounting Procedures - Rules Of Debit And Credit  
Chapter-7: Origin Of Transactions - Source Documents  
Chapter-8: Journal And Ledger

### **CHAPTER-1 TO CHAPTER 8**

### **PROJECT WORK**

## **UNIT TEST- 2**

Chapter-10: Special Purpose Books I – Cash Book  
Chapter-12: Trial Balance  
Chapter-13: Depreciation

## **TERM- II EXAMINATION –**

Chapter-11: bank reconciliation statement  
Chapter-14: provisions and reserves  
Chapter-15: bills of exchange  
Chapter-16: rectification of errors  
Chapter-17: financial statements of sole proprietorship  
Chapter-18: adjustments in preparation of financial statements  
Chapter-19: accounts from incomplete records - single entry system  
Chapter-20: financial statements of not for profit organisations  
Chapter-21: computers in accounting  
Chapter-22: accounting software

### **FULL SYLLABUS**

### **PROJECT WORK**

**BUSINESS STUDIES (Code No. - 054)**

## **UNIT TEST- 1**

CHAPTER 1 - NATURE AND PURPOSE OF BUSINESS

CHAPTER 2 - FORMS OF BUSINESS ORGANISATIONS

## **1<sup>ST</sup> TERM EXAMINATION**

CHAPTER 1 - NATURE AND PURPOSE OF BUSINESS

CHAPTER 2- FORMS OF BUSINESS ORGANISATIONS

CHAPTER 3 - PUBLIC, PRIVATE AND GLOBAL ENTERPRISES

CHAPTER 4- BUSINESS SERVICES

CHAPTER 5- EMERGING MODES OF BUSINESS

PROJECT WORK

### **UNIT TEST- 2**

CHAPTER 6- SOCIAL RESPONSIBILITY AND BUSINESS ETHICS

CHAPTER 7 - SOURCES OF BUSINESS FINANCE

### **2<sup>ND</sup> TERM EXAMINATION –**

CHAPTER 8 - SMALL BUSINESS

CHAPTER 9 - INTERNAL TRADE

CHAPTER 10 - INTERNATIONAL BUSINESS (I and11)

### **FULL SYLLABUS**

CHAPTER 1 TO CHAPTER 10

PROJECT WORK

### **PHYSICAL EDUCATION**

UT-1:

Ch 1: Changing trends & career in Physical Education

Ch2: Physical Fitness, Wellness & Lifestyle

TERM-1:

Chapter 1,2

Ch 3: Olympic Movement

Ch 4: Yoga

Ch 5: Doping

UT2:

Ch 6: Physical Activity Environment

Ch 7: Test & Measurement in Sports

FINAL EXAM:

Ch 8: Fundamentals of Anatomy & Physiology

Ch 9: Biomechanics & Sports

Ch 10: Psychology & Sports

Ch 11: Training Sports

Complete Syllabus (Ch 1 to 11)

## MATHEMATICS

U.T. Ch- 3(Trigonometry)

Term 1

Ch – 1(Sets), 2(Relations and Functions), 3(Trigonometry), 4(P.M.I.) , 5(Complex number), 6(Linear inequality), 7(Permutations & Combinations)

U.T. 2

Ch – 10(Straight lines), 11(Conic section) and 12(3 - D geometry))

Final Terminal Examination

Ch – 1(Sets), 2(Relations and Functions), 3(Trigonometry), 4(P.M.I.) , 5(Complex number), 6(Linear inequality), 7(Permutations & Combinations), 8 (Binomial theorem), 9 (Seq & series), 10(St lines), 11(Conic section), 12(3 D geometry), 13(Limits & derivatives), 14(Mathematical reasoning), 15(Stats), 16(Probability)

## CHEMISTRY

### PERIODIC TEST-1

CHAPTER -1 SOME BASIC PRINCIPLES OF CHEMISTRY

CHAPTER-2 STRUCTURE OF ATOM

### PERIODIC TEST-2

CHAPTER -1 SOME BASIC CONCEPTS OF CHEMISTRY

CHAPTER-2 STRUCTURE OF ATOM

CHAPTER-3 CLASSIFICATION OF ELEMENTS AND PERIODICITY IN PROPERTIES

CHAPTER-4 CHEMICAL BONDING AND MOLECULAR STRUCTURE

CHAPTER-5 STATES OF MATTER

PRACTICAL-1.DETERMINATION OF MELTING AND BOILING POINT.

PRACTICAL-2 PURIFICATION OF THE GIVEN CHEMICAL SUBSTANCE BY CRYSTALLIZATION .

PRACTICAL-3.CALCULATE THE MOLARITY AND STRENGTH OF THE GIVEN SOLUTION OF HCL /COOH-COOH BY TITRATING IT AGAINST GIVEN SOLUTION OF NaOH /Na<sub>2</sub>CO<sub>3</sub>

PRACTICAL-4 .DETERMINATION OF ACIDIC AND BASIC RADICALS IN THE GIVEN SALT.

### PERIODIC TEST-3

CHAPTER -6 THERMODYNAMICS

CHAPTER-7 EQUILIBRIUM

### TERM-2

CHAPTER -1 SOME BASIC CONCEPTS OF CHEMISTRY

CHAPTER-2 STRUCTURE OF ATOM

CHAPTER-3 CLASSIFICATION OF ELEMENTS AND PERIODICITY IN PROPERTIES

CHAPTER-4 CHEMICAL BONDING AND MOLECULAR STRUCTURE

CHAPTER-5 STATES OF MATTER

CHAPTER -6 THERMODYNAMICS

CHAPTER-7 EQUILIBRIUM

CHAPTER-8 REDOX REACTIONS

CHAPTER-9 HYDROGEN

CHAPTER-10 THE S-BLOCK ELEMENTS

CHAPTER-11 THE P-BLOCK ELEMENTS

CHAPTER-12 ORGANIC CHEMISTRY-SOME PRINCIPLES AND TECHNIQUES

CHAPTER-13 HYDROCARBONS

CHAPTER-14 ENVIRONMENTAL CHEMISTRY

PRACTICAL-1 IDENTIFY THE PH VALUE OF THE GIVEN SUBSTANCES.

PRACTICAL-2 IDENTIFICATION OF ELEMENTS IN THE GIVEN ORGANIC COMPOUND.

PRACTICAL-3.CALCULATE THE MOLARITY AND STRENGTH OF THE GIVEN SOLUTION OF HCL /COOH-COOH BY TITRATING IT AGAINST GIVEN SOLUTION OF NaOH /Na<sub>2</sub>CO<sub>3</sub>

PRACTICAL-4 .DETERMINATION OF ACIDIC AND BASIC RADICALS IN THE GIVEN SALT.

## PHYSICS

### UT-I

Unit-1 Physical World and Measurement

Unit-2 Kinematics

### TERM-I

Unit-3 Laws of Motion

Unit-4 Work,Energy and Power

Unit-5 Motion of system of particles and Rigid Body

Unit-6 Gravitation

### Experiments

- 1.To measure diameter of a small spherical cylindrical body using vernier callipers.
- 2.To measure internal diameter and depth of a given beaker using vernier callipers and hence find its volume.
- 3.To measure diameter of a given wire using screw gauge.
- 4.To measure thickness of a given sheet using screw gauge.
- 5.To determine volume of an irregular lamina using screw gauge.
- 6.To determine radius of curvature of a given spherical surface by a spherometer.
- 7.Using a simple pendulum,plot L-T and L-T<sup>2</sup> graphs.Hence find the effective length of second's pendulum.
- 8.To study the relationship between force of limiting friction and normal reaction and to find the coefficient of friction between a block and a horizontal surface.

### UT-2

Unit-7 Properties of Bulk Matter

Unit-8 Thermodynamics

### TERM II (FINAL EXAMINATION)

#### Unit -1 to 10

**BIOLOGY**

Exam	Syllabus
UT-1	Plant kingdom ,Animal kingdom , Morphology of flowering plants
SA-1	The living world ,biological classification ,plant kingdom ,animal kingdom , morphology of flowering plants ,Anatomy of flowering plants, structural organisation in animals , Cell the unit of life , Biomolecules,cellcycle and cell division ,Transport in plants , Mineral nutrition
UT-2 SA-2	Photosynthesis in higher plants ,Respiration in plants Plant Growth and development Digestion and absorption , breathing and exchange of gases , body fluids , excretory products and their elimination , locomotion and movement , neural control and co-ordination , chemical coordination and integration , The living world ,biological classification ,plant kingdom ,animal kingdom , morphology of flowering plants ,Anatomy of flowering plants, structural organisation in animals , Cell the unit of life , Biomolecules,cellcycle and cell division ,Transport in plants , Mineral nutrition

## Unit Test 1:

### **Statistics for Economics**

Chapter 1 - Concept of Economics and significance of statistics in Economics

Chapter 2 - Collection of Data

### **Indian Economic Development**

Chapter 1 - Indian Economy on the Eve of Independence

Chapter 2 - Five Year Plans in India: Goals & Achievements

Chapter 3 - Features, Problems and Policies of agriculture

## Term 1:

### **Statistics for Economics**

Chapter 3 - Census and sample method of collection of data

Chapter 4 - Organization of data

Chapter 5 - Presentation of data: Texture & Tabular Presentation

Chapter 6 - Diagrammatic Presentation of Data: Bar Diagram and Pie Diagram

Chapter 9 - Measures of central Tendency - Median and Mode

### **Indian Economic Development**

Chapter 4 - Strategy of Industrial Growth

Chapter 5 - India's Foreign Trade

Chapter 6 - New Economic Policy

Chapter 7 – Poverty

## Project Work:

## Unit Test 2:

### **Statistics for Economics**

Chapter 7 - Frequency Diagram: Histogram, Polygon and Ogive

Chapter 8 - Time Series Graph

Chapter 10 - Median & Mode

### **Indian Economic Development**

Chapter 8 - Human Capital Formation in India

Chapter 9 - Rural Development

## Term 2: Complete Syllabus

**Statistics for Economics (Chapter 1 to 10)**

Chapter 11 - Measures of Dispersion

Chapter 12 - Correlation

Chapter 13 - Index Numbers

**Indian Economic Development (Chapter 1 to 9)**

Chapter 10 – Employment & Unemployment

Chapter 11 - Inflation

Chapter 12 – Infrastructure

Chapter 13 – Environment & Sustainable Development

**Hindi**



हिंदी पाठ्यक्रम

अर्धवार्षिक परीक्षा पाठ्यक्रम

अंतरा- काव्य खंड पाठ-1 से 5

गद्य खंड पाठ -1 से 5

अंतराल -पाठ -1 और 2

अभिव्यक्ति और माध्यम -पाठ -1 , 2,8,9,10

इकाई परीक्षा पाठ्यक्रम -1

अंतरा- काव्य खंड पाठ-1 और 2 गद्य खंड पाठ -1 और 2

अंतराल -पाठ -1

अभिव्यक्ति और माध्यम -पाठ -1

वार्षिक परीक्षा पाठ्यक्रम

अर्धवार्षिक परीक्षा पाठ्यक्रम सहित

अंतरा- काव्य खंड पाठ-6 से 10

गद्य खंड पाठ -6 से 9

अंतराल -पाठ -3

अभिव्यक्ति और माध्यम -पाठ -14 ,15 ,16

इकाई परीक्षा पाठ्यक्रम -2

अंतरा- काव्य खंड पाठ-6 और 7

गद्य खंड पाठ -6 और 7

अंतराल -पाठ -3 ,अभिव्यक्ति और माध्यम -पाठ -14 ,15

**UNIT – I**

**CHAPTER- 1. From The Beginning Of Time**

**2. Early Cities: Focus On Iraq,Third Millennium BC**

**SA-I**

**CHAPTER- 1. From The Beginning Of Time**

**2. Early Cities: Focus On Iraq ,Third Millennium BC**

**3. An Empire Across Three Continents: The Roman Empire**

**4. Rise And Expansion Of Islam**

**5. Nomadic Empires**

**UNIT-II**

**CHAPTER -6. Three Orders**

**7. Changing Cultural Traditions**

**SA-II**

**CHAPTER-8. Confrontation Of Cultures**

**9. The Industrial Revolution**

**10. Displacing Indigenous People**

**11. Paths ToModernisation**

**POLITICAL SCIENCE**

**U T 1**

Political theory

Chapter -1 political theory an introduction

Chapter 2 – freedom

**Term 1**

Political theory

Chapter 1 : political theory an introduction

Chapter 2 : freedom

Chapter 3: equality

Chapter 4: social justice

Indian constitution at work

Chapter 1 : constitution –why and how

Chapter 2 : rights in indian constitution

Chapter 3: election & representation

**U T 2**

Political theory

chapter 5- rights

Chapter 6- Citizenship

Indian constitution at work

Ch4 – executive

**Term 2**

Full syllabus

Political theory

Chapter 1: political theory an introduction

Chapter 2: freedom  
Chapter 3: Equality  
Chapter 4: social justice  
Chapter 5: rights  
Chapter 6: citizenship  
Chapter 7 : Nationalism  
Chapter 8: secularism  
Chapter 9: Peace  
Chapter 10 : development  
Indian Constitution at work  
Chapter 1 : Constitution – why and how  
Chapter 2: Rights in the Indian constitution  
Chapter 3: election and representation  
Chapter 4: executive  
Chapter 5: legislative  
Chapter 6: judiciary  
Chapter 7 : federalism  
Chapter 8: local governments  
Chapter 9: peace  
Chapter 10: development

## GEOGRAPHY

### **UT-1 - BOOK-I FUNDAMENTAL OF PHYSICAL GEOGRAPHY)**

CH-1. Geography as a discipline  
Ch-2. The origin and evolution of the earth

### **BOOK-II( INDIA PHYSICAL ENVIRONMENT)**

CH-1. INDIA: LOCATION

### **PRACTICAL. CH-1 Introductions of maps**

### **TERM-I – BOOK-1(FUNDAMENTAL OF PHYSICAL GEOGRAPHY)**

CH-1. Geography as a discipline  
CH-2. The origin and evolution of earth  
CH-3. Interior of the earth  
CH-4. Distribution of oceans and continents  
CH-5. Minerals and rocks  
CH-6. Geomorphic process  
CH-7 Land forms and their evolution

### **BOOK-2( INDIA PHYSICAL ENVIRONMENT)**

CH-1. India: location  
CH-2. Physiographic  
CH-3. Drainage system

### **PRACTICAL. CH-2 Maps scales**

### **CH-3 Latitudes, Longitudes and Time**

### **UT-II – BOOK-1( FUNDAMENTAL OF PHYSICAL GEOGRAPHY)**

CH-8 Composition and structure of atmosphere  
CH-9 Solar radiation, Heat balance and Temperature

### **BOOK – 2( INDIA PHYSICAL ENVIRONMENT)**

CH-4 Climate

### **TERM II**

### **BOOK I(FUNDAMENTAL OF PHYSICAL GEOGRAPHY)**

CH-10 Atmospheric circulation and weather system  
CH-11 Water in the atmosphere  
CH-12 World climate and climatic change  
CH-13 Water ( oceans )

CH-14 Movement of ocean water

CH-15 Life on the earth

CH-16 Biodiversity and conservation

**BOOK II( INDIA PHYSICAL ENVIRONMENT)**

**CH-5 Natural vegetation**

**CH-6 Soils**

**CH-7 Natural vegetation**

**PRACTICAL-CH-6 Introduction to aerial photographs**

**CH-7 Introduction of Remote sensing**

**CH-8 Weather instruments , maps and charts**

**COMPUTER SCIENCE (083)**

**UT1:**

Chapter 1: Computer Overview

Chapter 2: Working with Operating System

Chapter 5: General OOP Concepts

Chapter 6: Getting Started with C++

**FIRST TERM EXAM:**

Chapter 1: Computer Overview

Chapter 2: Working with Operating System

Chapter 5: General OOP Concepts

Chapter 6: Getting Started with C++

Chapter 7: Data Handling

Chapter 8: Operators and Expressions in C++

**PRACTICAL EXAM:**

- Practical File
- C++ Programs
- Viva

**UT2:**

Chapter 10: Flow of Control

Chapter 3: Data Representation

Chapter 4: Input, Output and Memory Devices

**FINAL EXAM:**

Chapter 9: C++ as per latest C++ 11 standard

Chapter 11: Functions

Chapter 12: Structured Data Type: Array

Chapter 13: Structures

Chapter 14: Programming Methodology

**Complete Syllabus (Ch 1 to 14)**

**PRACTICAL EXAM:**

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

## ENGLISH

### Ut 1

The Portrait Of A Lady, A Photograph, Editing/ Error Correction, Re-Ordering Of Words, Notice & Poster

#### Term 1

Section A – Reading

Unseen Passage & Note-Making

Section B- Writing

Letter To Editor, Article Writing, Notice & Poster

Section C- Grammar

Editing/ Error Correction, Integrated Grammar Exercises, Re-Ordering Of Words

Section D – Literature

The Summer Of The Beautiful White House, The Voice Of The Rain, The Portrait Of A Lady & A Photograph

### Ut 2

Note –Making, Classified Advertisement, We Are Not Afraid To Die, Ranga’s Marriage, Editing/ Error Correction, Re-Ordering Of Words, The Address

Section E- Novel

Ch-1 & 2 Of The Canterville Ghost

#### Term 2

Section A – Reading

Unseen Passage & Note-Making

Section B- Writing

Job Application, Business Letter, Letter To Editor, Article Writing, Official Letter, Report Writing, Speech, Notice & Poster

Section C- Grammar

Determiners, Clauses, Voice, Modals, Tenses, Editing/ Error Correction ,Re-Ordering Of Words, Integrated Grammar Exercises

Section D- Literature

The Ailing Planet, Discovering Tut, The Browning Version, Childhood, Father To Son, The Tale Of Melon City, Albert Einstein At School, Birth , The Summer Of The Beautiful White House, The Voice Of The Rain, The Portrait Of A Lady, A Photograph, Ranga’s Marriage & Mother’s Day

Section E- Novel

The Canterville Ghost