

SYLLABUS FOR THE ACADEMIC YEAR 2018-2019

CLASS: XII

SUBJECT: ENGLISH

- Core text : The Last Lesson
- Core text : The Tiger King
- Core text : My Mother At Sixty Six
- Core text : Lost Spring
- Poem : An Elementary School Classroom in a Slum .
- Question: 4 of Board Exam Paper.
- Writing Skills: Notice, Classified Ad, Display.
- Invitation – Refusal and Acceptance
- Formal & Informal
- Question: 3,4,5,6 & 7 of Board Exam Paper
- Lrt: The Invisible Man - Chapters 1 to 8
- **Cycle Test I (April - 24)**
- Core text : Deep Water
- Core text : Keeping Quiet
- Core text : The Enemy
- Question: 3,4 & 5 of Board Exam Paper.
- Lrt: The Invisible Man - Chapters 9 to 18
- **Cycle Test II (July – 25)**
- Core text : The Rat Trap
- Core text : Should Wizard Hit Mommy?
- Core text : The Thing of Beauty
- Question: 3,4,5,6 & 7 of Board Exam Paper.
- Lrt: The Invisible Man - Chapters 19 to 23
- **Terminal Examination-I (September – 24)**
- Core text : Indigo
- Poem : Aunt Jennifer's Tigers
- Core text : On The Face Of It
- Question: 3,5,6 & 7 of Board Exam Paper.
- Debate & Speech
- Lrt: The Invisible Man - Chapters 24 to 28
- Core text : Going Places
- Core text : Evans Tries An O-Level
- Core text : Memories Of Childhood
- Revisions Qns : Section A, Section B & Section C
- **Terminal Examination-II (November 19)**
- **Revision Examination - I (December – 13)**
- **Revision Examination - II (January - 07)**
- **Pre Board Examination (Sahodaya)**

SUBJECT: MATHS

- Inverse Trigonometric Functions
- Continuity and Differentiability
- Application of Derivatives
- **Cycle Test I (April - 24)**
- Matrices
- Determinants
- Relations and Functions
- Integral Calculus (Ex: 7.7 Special Integration)
- **Cycle Test II (July - 25)**
- Integral Calculus (Ex: 7.8 to 7.11) and Miscellaneous exercise.
- Application of Integration
- Differential Equations
- Vector Algebra
- Vectors in three dimension (Ex: 11.1, 11.2 and 11.3)
- **Terminal Examination - I (September - 24)**
- Vectors in three dimension (Miscellaneous exercise)
- Linear Programming
- Probability
- **Terminal Examination - II (November 19)**
- **Revision Examination - I (December - 13)**
- **Revision Examination - II (January - 07)**
- **Pre Board Examination (Sahodaya)**

SUBJECT: PHYSICS

- Optics
- Electronic Devices
- Electromagnetic Waves
- Communications
- **Cycle Test I (April - 24)**
- Electrostatics
- **Cycle Test II (July - 25)**
- Current Electricity
- Magnetic Effects of Current and Magnetism
- Electromagnetic Induction and Alternating Current.
- **Terminal Examination I (September - 24) Part-I**
- Dual nature of Radiation and Matter
- Atoms and Nuclei
- **Terminal Examination -II (November 19)**
- **Revision Examination - I (December - 13)**
- **Revision Examination - II (January - 07)**
- **Pre Board Examination (Sahodaya)**

SUBJECT: CHEMISTRY

- Unit 1: The Solid State
- Unit 2: Solutions
- Unit 6: General Principles And Process Of Isolation Of Elements
- Unit 7: P-Block Elements
- Unit 10: Halo Alkanes And Haloarenes
- **Cycle Test I (April - 24)**
- Unit 3: Electrochemistry
- Unit 12: Aldehydes, Ketones And Carboxylic Acids
 - Unit 11: Alcohols, Phenols and Ethers
- **Cycle Test II (July - 25)**
 - Unit 8: The D And F Block Elements
 - Unit 9: Coordination Compounds
 - Unit 4: Chemical Kinetics
- **Terminal Examination I (September - 24)**
 - Unit 5: Surface Chemistry
 - Unit 15: Polymer
- Unit 14: Biomolecules
- Unit 16: Chemistry In Everyday Life
- Unit 13: Organic Compounds- Nitrogen
- **Terminal Examination -II (November 19)**
- **Revision Examination - I (December - 13)**
- **Revision Examination - II (January - 07)**
- **Pre Board Examination (Sahodaya)**

SUBJECT: BIOLOGY

- Reproduction in organisms
- Human Reproduction
- Reproductive health
- Sexual Reproduction in flowering plants
- **Cycle Test I (April - 24)**
- Human Health and Disease
- Strategies for Enhancement in Food Production
- Principles of Inheritance and Variation
- Molecular Basis of Inheritance
- **Cycle Test II (July - 25)**
- Evolution
- Biotechnology: Principles and Processes
- Biotechnology and its Applications
- Organisms and Populations
- Ecosystem
- **Terminal Examination I (September - 24)**
- Microbes in Human Welfare
- Biodiversity and Conservation
- Environmental issues

- **Terminal Examination -II (November - 19)**
- **Revision Examination - I (December - 13)**
- **Revision Examination - II (January - 13)**
- **Pre Board Examination**

SUBJECT: HOME SCIENCE

- Money Management And Consumer Education
- Family Income : i) Various Sources Of Family Income. ii) Supplementing Family Income – Needs And Ways, Need And Procedures For Maintaining Household Accounts.
- Savings And Investments : i) Meaning And Importance Of Savings ii) Basis For Selection Of Investments Methods. iii) Ways Of Investments iv) Consumer Protection And Education.
- Community Development And Extension: i) Water Safety ii) Salient Features Of Income Generating Scheme.
- Apparel designing, selection and care : i) Application of Elements ii) Selection of Apparel iii) Care and Maintenance Of Clothes. Iv) Storage of Clothes
- **Cycle Test I (April - 24)**
- **Water safety**
- Career Options After Homescience Education
- Human Development : Life Span Approach: Adolescence : i) Growth And Development ii) Meaning, Characteristics And Needs. iii) Influences On Identity Formation iv) Specific Issues And Concerns.
- Adulthood: i) Young and Middle Adulthood, ii) Late Adulthood and Oldage.
- **Cycle Test II (July – 25)**
- Nutrition for Self, Family And Community: i) Meal Planning ii) Food Therapeutic Modification Of Diet According To Common Ailments..
- **Terminal Examination I (September – 24).**
- **Terminal Examination -II (November – 19)**
- **Revision Examination - I (December – 13)**
- **Revision Examination - II (January - 07)**
- **Pre Board Examination**

SUBJECT: BUSINESS STUDIES

- Financial Management
- Financial Market
- Marketing
- **Cycle Test I (April - 24)**
- Consumer Protection
- Nature and Significance of Management
- Principles of Management
- **Cycle Test II (July - 25)**
- Business Environment
- Planning
- Organising
- Staffing
- **Terminal Examination I (September - 24)**
- Directing
- Controlling
- **Terminal Examination -II (November - 19)**
- **Revision Examination - I (December - 13)**
- **Revision Examination - II (January - 07)**
- **Pre Board Examination**

SUBJECT: ECONOMICS

- Micro Economic Introduction – (Micro)
- Macro Economic Introduction – (Macro)
- Consumer's equilibrium and demand – (Micro)
- National Income and Related Aggregates – (Macro)
- **Cycle Test I (April - 24)**
- Money and Banking – (Macro)
- Producer Behaviour and Supply – (Macro)
- **Cycle Test II (July – 25)**
- Determination of Income and Employment – (Macro)
- Forms of Market and Price Determination – (Micro)
- **Terminal Examination I (September – 24)**
- Government budget and The Economy – (Macro)
- Balance of Payment – (Macro)
- **Terminal Examination -II (November – 19)**
- **Revision Examination - I (December – 13)**
- **Revision Examination - II (January - 07)**
- **Pre Board Examination**

SUBJECT: ACCOUNTANCY

- PART A: Accounting for Share Capital
- Accounting for Debentures
- **Cycle Test I (April - 24)**
- PART B: Analysis of Financial Statement
- **Cycle Test II (July - 25)**
- Cash Flow Statement
- PART A : Accounting for Partnership Firms – Fundamentals
- **Terminal Examination I (September - 24)**
- Accounting for Partnership Firms Reconstitution
- Accounting for Partnership Firms Dissolution
- Not for profit organisations
- **Terminal Examination -II (November - 19)**
- **Revision Examination - I (December - 13)**
- **Revision Examination - II (January - 07)**
- **Pre Board Examination**

SUBJECT: COMPUTER SCIENCE

CLASS XII

SUB: C++

CHAPTER 1: C++ REVISION TOUR & C++ BASICS

DATA HANDLING, OPERATORS AND EXPRESSION, FLOW OF CONTROL,
CONSOLE I/O OPERATIONS, ARRAY, FUNCTIONS AND STRUCTURES, FUNCTION
OVERLOADING, CONTINUATION OF FUNCTION OVERLOADING

**CHAPTER 2: OOP CONCEPTS, OBJECTS , CLASS, DATA HIDING , DATA
ABSTRACTION, POLYMORPHISM , INHERITANCE, ENCAPSULATION .**

CHAPTER 3: CLASS & OBJECT

- **Cycle Test I (April – 24)**

CHAPTER: 5 CONSTRUCTOR & DESTRUCTOR
TYPES OF CONSTRUCTOR & DESTRUCTOR

CHAPTER :6 INHERITANCE EXTENDING CLASS
CONTINUATION OF INHERITANCE EXTENDING CLASS

CYCLE TEST 2 (July 25)

CHAPTER: 7 DATA FILE HANDLING INTRODUCTION
TYPES OF FILES IN DATA FILE HANDLING AND ACCESS MODE

CHAPTER: 8 POINTERS
CONTINUATION OF POINTERS

CHAPTER:9 ARRAY INTRODUCTION DIFFERENT DATA STRUCTURES
TYPES OF ARRAY & BASIC OPERATION OF 1 AND 2D ARRAY
LINKED LIST AND ITS TYPES STACK & QUEUE

TERMINAL EXAMINATION – 1 September-24

VOL-II

CHAPTER: 11 DATABASE CONCEPT

CHAPTER: 12 STRUCTURED QUERY LANGUAGE

CHAPTER: 13 BOOLEAN ALGEBRA

CONTINUATION OF BOOLEAN ALGEBRA

CHAPTER: 14 COMMUNICATION AND NETWORK CONCEPT

CONTINUATION OF COMMUNICATION AND NETWORK CONCEPTS

- **Terminal Examination-II (November – 19)**

- **Revision Examination - I (December – 13)**

- **Revision Examination - II (January - 07)**

- **Pre Board Examination**

SUBJECT: COMPUTER SCIENCE

CLASS XII

SUB: INFORMATICS PRACTICES

CHAPTER 1: COMPUTER NETWORKING INTRODUCTION
ELEMENTARY TERMINOLOGY OF NETWORK, DNR,
TYPES OF TOPOLOGIES & NETWORK
CONTINUATION OF TOPOLOGIES AND NETWORK
TRANSMISSION MEDIA, NETWORK DEVICES, NETWORK SECURITY & INTERNET
APPLICATIONS
CONTINUATION TRANSMISSION MEDIA, NETWORK DEVICES, NETWORK SECURITY &
INTERNET APPLICATIONS

CHAPTER 2: OPEN SOURCE CONCEPT INTRODUCTION

CHAPTER: 3 JAVA GUI PROGRAMMING REVISION TOUR - I
NETBEANS JAVA IDE, BASICS OF GUI, JAVA GUI TOOL KIT, JAVA CHARACTER SET
AND OPERATORS IN JAVA

Cycle Test 1 April-24

CHAPTER: 4 JAVA GUI PROGRAMMING REVISION TOUR - II

SWING COMPONENT, HANDLING EVENTS, VARIOUS TYPES OF CONTROLS USED IN
JAVA

CHAPTER: 5 JAVA GUI PROGRAMMING TOUR - III
CLASSES AND OBJECT & METHODS

Cycle Test 2 July-25

CHAPTER: 6 MORE ABOUT CLASSES & LIBRARIES

**CHAPTER: 7 CONCEPT OF INHERITANCE, NEED FOR INHERITANCE & DIFFERENT
FORMS**

**CHAPTER: 8 DATABASE CONNECTIVITY TO MYSQL INTRODUCTION, CONNECTING TO
MYSQL FROM JAVA**

CHAPTER: 9 WEB APPLICATION DEVELOPMENT

CHAPTER: 10 HTML - I BASIC HTML ELEMENT

CHAPTER: 11 HTML - II: LIST, TABLES AND FORMS

CHAPTER: 12 XML, FEATURES OF XML, WORKING IN XML & VALIDATING XML DOCUMENTS

TERMINAL EXAMINATION - I September 24

**CHAPTER: 13 MYSQL REVISION TOUR INTRODUCTION & SOME MYSQL ELEMENTS,
ACCESSING, CREATING, INSERTING INTO TABLE & MAKING SIMPLE QUERIES
THROUGH COMMANDS**

MYSQL FUNCTIONS, CREATING, INSERTING, VIEWING, MODIFYING, DELETING,
ALTERING DROPPING TABLE

CHAPTER: 14 DATABASE TRANSCATIONS

**CHAPTER: 15 INTRODUCTION, CONCEPT OF DATABASE TRANSCATION & TCL
COMMANDS CHAPTER: 16 TABLES AND INTEGRITY CONSTRAINTS**

CHAPTER 17. IT APPLICATIONS

TERMINAL EXAMINATION - II November-19

- **Revision Examination - I (December- 13)**
- **Revision Examination - II (January - 07)**

Pre Board Examination

SUBJECT: PHYSICAL EDUCATION

- Planning in Sports, Sports and Nutrition
 - Children and Sports.
 - Women and Sport
 - Yoga and Lifestyle
 - **Cycle Test I (April - 24)**
 - Test and Measurement in Sports - Practical
 - **Cycle Test II (July - 25).**
 - Physical Education and sports for Differently-Abled
 - Kinesiology, Biomechanics and Sports.
 - **Terminal Examination I (September - 20)**
 - Physiology and Sports, Sports Medicine.
 - Training in Sports.
 - **Terminal Examination -II (November - 19)**
 - **Revision Examination - I (December - 13)**
- Revision Examination - II (January - 07) Pre Board Examination**