SYLLABUS FOR THE SESSION 2018-2019
CLASS-XI
ENGLISH

To Overall aim of the course :

a)   To enable the learness to communicate effectively and appropriately in real-life situations.

b)   To use English effectively for study purpose across the curriculum.

c)   To develop interest in and appreciation of literature.

d)   To revise and reinforce structures a ready learnt.

e)   To develop and integrate the use of the four language skills i.e. Listening. Speaking, Reading & Writing.

f)   To develop the art of formal Public Speaking.

Objectives :

*   To express the ideas in clear and grammatically correct English.

*   Write in Style appropriate for communicative purposes.

*   Plan, organise and present ideas coherently by introducing, developing and concluding a topic.

*   To develop sensitivity to literary and creative use of language.

*   To develop familiarity with poetic use of language.

Note : Aims and objectives to be printed as it is from the syllabus booklet.

I. FIRST TERMINAL

1.   Note-Making and Summary Writing

2.   Writing
*   Notice, Poster
*   Article
*   Speech
*   Letter to the editor
*   Job Application

3.   Integrated Grammar Practice

4.   Textbooks

HORNBILL

Prose

a. The Portrait of a Lady
b. We're Not Afraid to Die...If We Can All Be Together
c. Discovering Tut : The Saga Continues
d. Landscape of the Soul.

Poetry

a. A Photograph
b. The Laburnum Top
c. The Voice of the Rain

SNAPSHOTS

a. The Summer of the Beautiful White Horse
b. The Address
c. Ranga's Marriage

II. FIRST CYCLE TEST

a) Reading Comprehension
b) Integrated Grammar
c) Notice Writing
d) The Portrait of a Lady
e) A Photograph

III. SECOND TERMINAL

1. Writing
   * Advertisements
   * Official and Business Letters
   * Report Writing
   * Narrative
2. Integrated Grammar Practice
3. Text Books.

HORNBILL

Prose

a) The Ailing Planet : The Green Movement's Role
b) The Browning Version
c) The Adventure
d) Silk Road

Poetry

a) Childhood
b) Father to Son

SNAPSHOTS

a) Albert Einstein At School
b) Mother's Day
c) The Ghat of the only World

IV. SECOND CYCLE TEST

a) The Ailing Planet : the Green Movement's Role
b) Father to Sun
c) Albert Einstein At School
d) Integrated Grammar
e) Note-Making and Summary Writing

Note : Second Term Exam will include the syllabus of First and Second Terminals.

V. FINAL TERM

1. Writing
   * Poster
   * Official and Business Letters
2. Integrated Grammar Practice.

SNAPSHOTS

Prose

Birth

Poetry

The Tale of Melon City

Note : Final Term will include the Syllabus of First, Second and Final Terminal.

MATHEMATICS

Max. Mark : 100

Aims and Objectives

The broad objectives of teaching Mathematics at senior school stage intend to help the students.

* to acquire knowledge and critical thinking, particularly by way of motivation and visualization of basic concepts, terms, principles, symbols and mastery of underlying processes and skills.
* to feel the flow of reasons while proving a result or solving a problem.
* to apply the knowledge or skills acquired to solve problems and whereever possible, by more than one method.
* to develop positive attitude to think, analyze and articulate logically.
* to develop interest in the subject by participating in related competitions.
* to develop awareness of the need for national integration, protection of environment, removal of social barriers, elimination of gender bias.

I Cycle (M. Marks 25)

Ch.1 Sets

Introduction, representation, empty set, finite and infinite sets, equal sets, subsets, power set, universal set, Venn diagrams, operations on sets, complement of a set, practical problems.

Ch.2 Relations and Functions

Introduction, cartesian product of two sets, Relations, functions, graphs of some functions, Domain and Range of a Real Valued function. Operations on functions.

I Term : Examination (M. Marks 100)

Ch.1 Sets
Ch.2 Relations and Functions
Ch.3 Trigonometric Functions

Introduction, Angles, trigonometric functions, trigonometric functions of sum and difference of two angles, trigonometric equations, Sine and Cosine rule. Domain and Range of Trigonometric functions and their Graphs

Ch.4 Principle of Mathematical Induction
Motivation and Explanation
Process of the proof by induction.

Ch.5 Complex Numbers
Introduction, General form, Polar form, Complex root of quadratic equation, Square root of a Complex Number.

Ch.6 Linear Inequalties.

Inequalities, Algebraic Solutions of Linear Inequalities, Graphs and their solutions.

Ch.7 **Permutations and Combinations :** Fundamental Principle of Counting, Permutation, Combinations, Simple applications.

II Cycle (M. Marks 25)

Ch.8 **Binomial Theorem**
History, Statement and Proof of the Binomial theorem for positive integral indices, Pascals Triangle, General and Middle Term in binomial expansion, simple applications.

Ch.9 Sequences and Series.
Sequences and Series, Arithmetic Progression (A.P.), Arithmetic Mean (AM) Geometric Progression (G.P.), Geometric Mean (G.M.); Relation between A.M. and G.M. General Term and Sum to 'n' terms of A.P. and G.P. Sum to 'n' terms of Special Series.

$$\sum_{K=1}^{n} K, \quad \sum_{K=1}^{n} K^2, \quad \sum_{K=1}^{n} K^3,$$

II Terminal Examination (M. marks 100)

Ch.1 Sets
Ch.2 Relations and Functions
Ch.3 Trigonometric Functions
Ch.4 Principle of Mathematical Induction
Ch.5 Complex Numbers.
Ch.6 Linear Inequalities.
Ch.7 Permutations and Combinations
Ch.8 Binomial Theorem
Ch.9 Sequence and Series.
Ch.13 Limit and Derivatives
Limit of a function, Limit of special functions (logarithmic and exponential functions)
Derivative of a function by first principle, Product Rule and Quotient Rule to find derivative of a function.
Ch.14 Mathematical Reasoning
Statement. Connecting words/phrases, Negation, Converse and contrapositive, validating the statements involving connecting words.
Ch.15 Statistics :

Measures of Dispersion, Mean deviation. Standard deviation, coeffcient of variation.

Ch 16   Probability: Random Experiments, Sample Space, Event, Types of Events, Axiomatc Approach to probability.

Final Term Syllabus   (M. Marks 100)
I Term Syllabus
II Term Syllabus and

Ch.10   Straight lines

Slope of a line, Various forms of equations of a line, angle between two lines, distance between two parallel lines, Distance of a point from a line, Shifting of origin.

Ch.11   Conic Sections.

Sections of a cone : circle, parabola, Hyperbola, Ellipse, Standard equations and simple properties. Practical Problems.

Ch.12   3-Dimensional Geometry

Introduction, Coordinate axes and Coordinate Plane, Distance formula and Section formula.

PHYSICS (Code No. 042)

Objectives :

Senior Secondary stage of school education is a stage of transition from general ecucation to discipline-based form on curriculum. The present updated syllabus keeps in view the rigour and depth of disciplinary approach as well as the comprehension level of learners. Due care has also been taken that the syllabus is comparable to the international standards. Salient features of the syllabus include.

* Emphasis on basic conceptual understanding of the content.
* Emphasis on use of SI units symbols nomenclature of physical quantites and formulations as per international standards.
* Providing logical sequencing of units of the subject matter and proper placement of concepts with their linkage for better learning.
* Reducing the curriculum load by eliminating overlapping of concepts content within the discipline and other disci-

plines.
* Promoton of process-skills problem-soving abilities and applications of Physics concepts.

Besides, the syllabus also attempts to

* stiengthen the concepts developed at the secondary stage to provide from foundaton for further learning in the subjects.
* expose the learners to different processes used in Physics related industrial and technological applications.
* cevelop process skills and experimental, observational manipulative. cecision making and investigatory skills in the learners.
* promcte problem solving abilities and creative thinking in learners.
* develop conceptual competence in the learners and make them realize and appreciate the interface of Physics with other disciplines.

Physics (Code No. 042)
Course Structure
(Theory) (201+15)

One Pape

Time 3 hrs.
Max Marks 70

Unit		No. of Periods	Marks
Unt-I	Physical World and Measurement	1C	
Unit-II	Kinematics	2C	20
Unit-III	Laws of Motion	14	
Unit-IV	Work, Energy and Power	12	
Unit-V	Motion of System of Particulars and Rigid Body	18	17
Unit-VI	Gravitation	12	
Unit-VII	Properties of Bulk Matter	20	
Unit-VIII	Themodynamics	12	16
Unit-IX	Behaviour cf Perfect Gases and Kinetic Theory of gases	08	
Unit-X	Ray Optics	34	
	Oscillations and Waves		17
	Total	160	70

Cycle Test-I

Ch.1   Physical world
Ch.2   Units & Measurement

Term-1

Ch.1 Physical world
Ch.2 Units & Measurement
Ch.3 Motion in straight line
Ch.4 Motion in Plane
Ch.5 Laws of Motion
Ch.6 Work and Energy
Ch.8 Gravitation

Cycle Test-2

Ch.1 System of Particles.
Ch.8 Syllabus & term 1.

Term-2

Ch. 9, 10, 11, Properties bulk matter

Final Term

Full Syllabus according to NCERT
(Ch. 1-Ch. 15)

BIOTECHNOLOGY (Code No. 045)

An unprecedented growth of human knowledge in the field of Biological Sciences coupled with equally significant developments in the field of technology have brought significant changes into existing social and economic systems. The emerging field of Biotechnology is likely to further enhance the applications of Science and Technology in the service of human welfare. Modern Biotechnology processes encompass a wide range of new products such as antibiotics, vaccines, monoclonal antibodies and many more. Furthermore, developments in recombinant DNA technology have yielded numerous new useful products in the fields of healthcare and agriculture. The present syllabus takes care of all these aspects. Due emphasis has been laid on familiarizing the learners with the fundamental concepts, basic techniques and their applications. It is expected that the knowledge gained through the study of different topics, basic techniques and their applications. It is expected that the knowledge gained through the study of different topics and the skills acquired through the prescribed practical work will make the learners competent to meet the challenges of academic as well as professional courses after studying the subject at senior secondary stage.

Objectives

* To help the learners know and understand basic facts and concepts of the subject at elementary stage.
* To expose the students to different basic processes and basic techniques used in Biotechnology.
* To familiarize the learners to understand the relationship of the subject to health, nutrition, environment, agriculture and industry, etc.
* To develop conceptual competence in the learners so as to cope up with professional course in future career.
* To develop an interest in students to study biotechnology as a discipline.

COURSE STRUCTURE

One Paper

Time 3 hrs.
Max Marks 70

Unit-I Biotechnology within your reach
Unit-II Molecules of Life
Unit-III Genetics and Molecular Biology
Unit-IV Cell and Organisms

Ist Cycle -

Unit-IV Cell And Organism
Ch.1 The Basic Unit of Life
Ch.2 Cell Growth & development

Ist Term

Unit-III & Unit-IV : Genetics and Molecular Biology
Ch.1 Concepts of Genetics

IInd Cycle

Unit-III :
Ch.2 Genes & Genomes Structure and function

IInd Term

Unit-III, Unit-IV and Unit-I
Ch.1 Introduction to Biotechnology

Final Term Full Syllabus

Unit-I, III, IV and
Unit-II Molecules of Life

Ch.2   Structure and functions of Macro Molecules
Ch.1   Biomolecules   Building Blocks

Biology (Code No. 044)

The present syllabus reinforces the ideas introduced till the secondary classes. It provides the students with new concepts along with an extended exposure to contemporary areas of the subject. The syllabus also aims at emphasizing on the underlying principles that are common to both animals and plants as well as highlighting the relationship of biology with other areas of knowledge.

The prescribed syllabus is expected to :

* promote understanding of basic principles of Biology
* encourage learning of emerging knowledge and its releance to individual and society
* promote rational/scientific attitude to issues related to population, environment and development
* enhance awareness about environmental issues, problems and their appropriate solutions.
* create awareness amongst the learners about civerity in the living organisms.
* appreciate that the most complex biological phenomena are built on essentially simple processes.

It is expected that the students would get an exposure to various branches of Biology in the syllabus in a more contextual and friendly manner as they study its various units.

Biology (044)
(Theory one paper)   Time 3 hrs
                                            Max Marks 70

Unit	Title	
1.	Diversity of Living Organisms	07
2.	Structural Organisations in Plants and Animals	12
3.	Cell : Structure and Functions	15
4.	Plant Physiology	18
5.	Human Physiology	18
		70

Unit-I
1st Cycle : (Diversity in the Living World)
Ch.1   The living world
Ch.2   Biological classification

First Terminal Examination
Ch.3   Plant Kingdom
Ch.4   Animal Kingdom.
Ch.5   Morphology of flowering plants
Ch.6   Anatomy of flowering plants
Ch.7   Structural Organisation in Animals.

Unit-V (Human Physiology)
Ch.16   Digestion & Absorption
Ch.17   Breathing & Exchange of gases
Ch.18   Body fluids and circulation

IInd Cycle
Ch.19   Excretory Products and their Elimination
Ch.20   Locomotion and Movement.

Second Terminal Examination
(Chapters of Term-I will also be included)

Unit-II (Structural Organisation in Plants and Animals)
Ch.21   Neural Control and Co-ordination.
Ch.22   Chemical Coordination and Integration.
Ch.8   Cell : The Unit of Life
Ch.9   Biomolecules
Ch.10   Cell Cycle and cell division.

Unit (Plant Physiology)
Ch.11   Transport in plants
Ch.12   Mineral Nutrition

Final Examination
Ch.13   Photosynthesis in higher plants.
Ch.14   Respiration in plants
Ch.15   Plant Growth & Development
(Complete Syllabus of Term-I and Term-II)

CHEMISTRY (Code : 043)

Objectives of Studying Chemistry

i) To promote understanding of basic facts and concepts in chemistry while retaining the excitement of chemistry.

ii) To develop problem solving skills in students.

iii) To acquaint students with different aspects of chemistry used in dailylife

iv) To promote problem solving abilities and creative thinking in learners.

Unit-I	Some Basic Concepts of Chemistry	8
Unit-II	Structure of Atom	
Unit-III	Classification of elements and Periodicity in Properties.	4
Unit-IV	Chemical bonding and Molecular Structure	
Unit-V	States of Matter. Gases and Liquids	20
Unit-VI	thermodynamics	
Unit-VII	Equilibrium	
Unit-VIII	Redox Reactions	
Unit-IX	Hydrogen	20
Unit-X	S-Block Elements	
Unit-XI	some p-Block Element	
Unit-XII	Organic Chemistry : Some Basic Principles and Techniques	
Unit-XIII	Hydrocarbons	18
Unit-XIV	Environmental Chemistry	
		70

First Cycle Test
Unit-I Some basic concepts of Chemistry

First Term
Unit-I Some basic concepts of chemistry
Unit-II Structure of Atom
Unit-III Classification of Elements and Periodicity in properties.
Unit-IV Chemical Bonding and Molecular structure.

Second Cycle
Unit-IX Hydrogen
Unit-VI Thermodynamics

Second Term
Unit-VIII Redox reaction
Unit-X S Block
Unit-XI Organic Chemistry some basic principles & Techniques
Unit-IX Environmental Chemistry

II Term Exam
It will include all chapters of term and Second Term

III Term
Unit-VIII States of Matter
Unit-VII Equilibrium
Unit-XI Some P block elements
Unit-XIII Hydrocarbons

Final Term exam
It will include complete syllabus.

BUSINESS STUDIES (CODE 054)

Units		Marks
Part A : Foundations of Business		
1.	Nature and Purpose of Business	20
2.	Forms of Business Organisation	
3.	Public, Private and Global Enterprises	18
4.	Business Services	
5.	Emerging Modes of Business	
6.	Social Responsibility of Business And Business Ethics	12
		50
Part B : Finance and Trade		
7.	Sources of Business Finance	20
8.	Small Business	
9.	Internal Trade	20
10.	International Trade	
11.	Project work	10
		50

ACCOUNTANCY

ECONOMICS

Units
Part-A : Statistics for Economics
1. Introduction
2. Collection Organisation & presentation of data
3. Statistical Tools & Interpretation

Part-B Indian Economic Development
4. Development Experience (1947-90) & Economic Reforms Since 1991
5. Current Challenges facing Indian Economy
6. Development Experience of India -A Comparison with Neighbours
   Project Work

ECONOMICS

Aims / Objectives
1. Understanding of some basic economic concepts & development of economic reasoning which the learners can apply in their day-to-day activities.
2. Realisation of learner's role in nation building and sensitivity to the economic issues that the nation is facing today.
3. Equipment with basic tools of economics and statistics to analyse economic issues.
4. Development of understanding that there can be more than one view on any economic issue and necessary skills to argue logically with reasoning.

MM-100
Part-A (Statistics)-40
Part-B (Micro Economics-40

Project-20

First Cycle Test
Part-A (Statistics)
Ch.1   Introduction
Ch.2   Collection of Data
Part-B Micro Economic
Ch.1   Introduction

First Terminal Examination
Part-A (Statistics)
Ch.1   Introduction
Ch.2   Collection of Data
Ch.3   Organisation of Data
Ch.4   Presentation of Data

Part B (Micro Economics)
Ch.2   Consumers Equilibrium demand
Second Cycle Test
Part A : Statistics
Ch.5   Measures of central tendency.
Part B Micro Economics
        Elasticity of demand
Ch.3   Producer's behaviour and supply.
        * Production function
        * Concept of Cost
        * Concept of Reveme
        * Producer's Equilibrium

Second Terminal Examination
Part A-Statistics
Ch.1   Introduction
Ch.2   Collection of data
Ch.3   Organisation of data
Ch.4   Presentation of data
Ch.5   Measures of Central tendency
Ch.6   Measures of Dispersion
Ch.7   Correlation
Part-B Micro Economics
        * Producers Behaviours & Supply
        * Theory of Supply
        * Elasticity of Supply
Unit-4   Forms of Market and price determination
Final Examination
(I Cycle + I Term + II Cycle + II term)
Full Syllabus
Part A
Full Syllabus
Ch. 8   Index Number

ENTREPRENEURSHIP (066)

Chapterwise Weightage

Unit-1	Entrepreneuship	15
Unit-2	An Entrepreneur.	
Unit-3	Entrepreneurial Journey	20
Unit-4	Entrepreneurship as Innovation.	
Unit-5	Understanding the Market	15
Unit-6	Business Arithmetic	20
Unit-7	Resource Mobilization	

Project Work / Practical   30

Total 100

Objectives :
* Acquiring Entrepreneurial spirit and resourcefulness.
* Familiarization with various uses of human resource for earning dignified means of living.
* Understanding the concept and process of entrepreneurship.
* Acquiring entrepreneurial quality, competency and motivation.
* Learning the process and skills of creation and management of entrepreneurial venture.

Theory   70 marks
First Cycle
Unit-1 Entrepreneurship : What, Why & How.
Unit-2 An Entrepreneur
    *Types of Entrepreneur.
    *Competencies and Characteristics of an Entrepreneur.

First Term
Unit-2 An Entrepreneur (Continued)
Unit-3 Entrepreneurship Journey
Unit-4 Entrepreneurship as Innovation and Problem Solving.
Unit-1 to 4

Second Cycle
Unit-4 Entrepreneurship as Innovation and Problem Solving (continued)
Unit-6 Business Arithmetic

Second Term and Final Term
Unit-5 Understanding the Market
Unit 1 to 6

Unit 7 Resource Mobilization.
Full Syllabus (Unit 1 to 7)

Practical Work   30 marks
(Any three)
1.   Case Study
2.   Learn to Earn
3.   Exhibition
4.   Visit and Report of a District Industries Centre.
5.   Report on handicraft industry of India.

HISTORY

Aims and Objectives :
* To emphasize that history is a way of knowing past.
* To compare developments in different situation and to analyze connections between different period of history.
* To focus on some important developments in different spheres of life.
* To study not only the grand narratives of a developments but also about the displaced and marginalised groups.

Name of the text book : Themes in world History.
Ist Cycle test : Chapter-1 From the beginning of time

Ist terminal exam :
Section I Early societies.
Ch.1   From the beginning of time
Ch.1   Writing and city life.

Section-II Empires
Ch.3   An empire across three continents.
Ch.4   The central Islamic lands.
Ch.6   Nomadic empires.

IInd Cycle
Ch.6   The three orders.

IInd Terminal Examination
Section-I
Section-II
Section-III changing traditions.
Ch.6   The three orders.
Ch.7   Changing cultural traditions
Ch.8   Confrontation of Cultures.
Ch.9   The industrial revolution

                                Total : 9 Chapter

Final Terminal Examination :
Section-I Early societies (15 marks)
Section-II Empires (20 marks)
Section-III Changing traditions (20 marks)
Section-IV Towards Modernisation (20 marks)
Ch.9   The industrial revolution
Ch.10   Displacing indigenous proples.
Ch.11   Paths to modernisation.
Total   11 chapters
        Map work (5 marks)
        Theory (80 marks)
        Project work (20 marks)
        Total marks (100)

PHYSICS (042)
Ch.4   Notion in Plane.
Ch.5   Laws of motion
Ch.6   Work and Energy
Cycle Test-2
Ch.7   Motion of System of Particles and rigid body.
Ch.8   Gravitation
Term-2
Unit-7 Properties of bulk matter.
Unit-8 Thermodynamics
Final Term
Full Syllabus according to NCERT
        (Ch. 1- Ch. 15)

POLITICAL SCIENCE

Aims & Objectives
*   To understand Political theory and its concepts.
*   To familiarise Indian constitution and its key features.
*   To compare Indian constitution with other democratic
        constitutions.
*   To highlight & evaluate major issues like Peace, Jus-
        tice, Secularism, Rights & Freedom.
*   To understand philosophy of Indian constitution.
Text Books
1   Political Theory : Textbook for Class XI (NCERT)
2   Indian Constitution at work : Textbook in Political Sci-
        ence for Class XI (NCERT)

Weightage (Marks)
1.   Political Theory   50 Marks
2.   Indian Constitution at work   50 Marks
                                        Total 100 Marks

Ist Cycle
*   Constitution : Why and How?
*   Rights in the Indian Constitution.
*   Political Theory -An Introduction
First Term
*   Syllabus of First Cycle Test
*   Equality
*   Election and Representation
*   Social Justice
*   Executive
*   Freedom

IInd Cycle
*   Rights
*   Legislature
*   Citizenship
*   Judiciary
IInd Term
(First Cycle & Ist Term + Second Cycle) and following chapter
*   Nationalism
*   Federalism
*   Secularism

- Local Governments
- Peace

Final Examination
Entire Course completed earlier & the Following
* Development
* Philosophy of constitution
* Constitution as a living document.

COMPUTER SCIENCE

Learning Objectives :
1. To understand basics of computers.
2. To develop logic for Problem Solving.
3. To develop problem solving skills and their implementation using C++
4. To understand the basic concept of Computing Logic.
5. To understand Open Source concepts.

Class XI (Theory)-C++ Duration: 3 hours Total Marks: 70

Unit No.	Unit Name	Marks
1.	Computer Fundamentals	10
2.	Programming Methodology	12
3.	Introduction To C++	14
4.	Programming in C++	34
	Total	70

First Cycle Test
Data Representation-Number System; Internal Storage encoding of Characters Getting Started with C++
Data Handling

First Term
Syllabus of First Cycle Test
Operators & Expressions in C++
Programming Methodology
Flow of Control

Second Cycle Test
Functions-Standard library functions, User defined functions Software Concepts.

Second Term :
Syllabus of First Term and Second Cycle Test
Structured data Type-Arrays
Computer overciew

Final Term
Syllabus of First Term and Second Term
Structures
Microprocessor basics and Memory concepts.

FASHION STUDIES

Objectives
* To learn appropriate fashion terminology
* To make students aware of fashion business, basic elements of design.
* To increase & build sensitivity to the forms around them.
* Learning the process & skills of creation and creativity.
* To introduce the students to garment making.

Unit-1	Overview of fashion
Unit-2	Introduction of Fibrils, Dyeing & Printing
Unit-3	Designs in Fundamentals
Unit-4	Elements of Garment Making

I Cycle
Unit-I : Overview of Fashion
(Till International Trade in Fashion)

I Term
Unit I : Overview of Fashion
Unit-II : Introduction to Fabrics, Dyeing & Printing

II Cycle
Unit : Design Fundamentals
> Design, designer and design process
> Elements of Design
> Colour theory and Psychology, of colours

II Term
Unit I : Overview of Fashion
Unit II : Introduction to Fabrics, Dyeing & Printing
Unit III : Design Fundamentals

Final Term (Full Syllabus)

Unit I :   Overview of Fashion
Unit II :   Introduction to Fabrics, Dyeing & Printing
Unit III :   Design Fundamentals
Unit IV :   Element of Garment Making

Food Production

UT I

1   Hospitality Industry as a Career
*   Introduction – Scope of hospitality industry
*   Core and allied areas
*   Career opportunities in hospitality industry
*   Qualities required in a personnel willing to join hospitality
    industry
2   The Food Production department
*   Introduction
*   Sections in a kitchen
*   Knowledge, Skill and Attitude development
*   Kitchen Organizational Structure
*   Duties and responsibilities

UT II

3   Uniform, Safety and Hygiene in kitchen
*   Uniform & protective clothing
*   General safety precautions
*   Maintaining hygiene –
*   Personal
*   Workplace
*   Safe food handling
4   Kitchen Equipments / Appliances
*   Classification of equipments
*   Care of equipments & appliances
*   Kitchen knives & their maintenance
*   Safety procedures in handling equipments & appliances

TERM I (ALSO INCLUDE SYLLABUS OF UT I AND UT II)

5   Kitchen Commodities
Plant origin:
*   Cereal
*   Pulses
*   Fruits
*   Nuts
*   Vegetables

*   Spices / Herbs
*   Oil
*   Sugar
Animal origin:
*   Dairy products
*   Eggs
*   Meats
*   Fish & other Seafood
*   Fats
    Other:
·   Salt
6   Storage of Commodities
*   Perish ability of a commodity
*   Storage techniques
*   Stock Levels
*   Maintaining records of storage and issues
*   Goods received book
*   Bin card
7   Techniques for Pre-preparation
*   Techniques of pre-preparation
*   Using knives
*   Vegetable cuts

**TERM II (ALSO INCLUDE SYLLABUS OF IST TERM AND
BOTH UT)**

8   Methods of Cooking
*   Aims and objectives of cooking food
*   Classification:
*   Dry
*   Moist
*   Medium of fat
Applying simple methods of cooking:
*   Boiling (Beans/Rice/Beetroot)
*   Grilling (Bell pepper/ Zucchini/Potato)
*   Blanching Tomatoes
*   Broiling (Cumin seed)
*   Frying (Potatoes)
9   Salads
Classification
*   Parts of a salad:
*   Base
*   Body

* Dressing
* Garnish
  Recipes for:
* Salad Waldorf
* Salad Nicosia
* Grilled chicken salad or Sprouts salad
* Pasta salad
* Importance of salads in diet

FINAL TERM(ALSO INCLUDE ALL PREVIOUS CHAPTER)

10 Soups
* Definition
* Classification
  Recipes for:
* Cream of Tomatoes soup
* Puree of Carrot soup
* Cold soup – Gazpacho
* Chicken violate

· Importance of soup in diet
11 Egg Cookery
* Structure of an egg Methods of cooking

Physical Education

Unit-I

1. Changing tuends and eauer in Physical Education.
2. Olympic movement
3. Doping

Unit-II

1. Physical Fitness, Wellness and Lifestyle
2. Physical Education and Sports for differently abled.
3. Training in Sports.

Term-I

1. Yoga
2. Physical Activity and leadership training
3. Test measurement and evaluation.

Term-II

1. Fundamental of Antomy and physiology
2. Kinesiology Biomechanics and sports.
3. Psychology and Sports

Final Term :

Whole Syllabus of Unit-I, II and Term I and Term-II