



# **RUKMANI BIRLA MODERN HIGH SCHOOL** **ANNUAL SYLLABUS (2026-27)** **CLASS XI**

## **SUBJECT: ENGLISH (301)**

Books- Literature Reader: Hornbill, Snapshots

| <b>Books/Topics</b>                         | <b>Chapter No. /Chapter Name</b>                                                                                                                                                    | <b>Month</b> |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Hornbill<br><br>Grammar<br>Writing          | Chapter-1 The Portrait of a Lady<br>Poem 1– A Photograph<br>Tenses<br>Poster                                                                                                        | April        |
| Snapshots<br>Hornbill                       | Chapter-1 The Summer of the Beautiful White Horse<br>Poem 2- The Laburnum Top                                                                                                       | May-June     |
| Hornbill<br><br>Snapshots<br>Writing        | Chapter-2 We are not Afraid to Die...<br>Chapter-3 Discovering Tut : The Saga Continues<br>Chapter-2 The Address<br>Note Making<br>Speech                                           | July         |
| Hornbill<br><br>Grammar<br>Writing          | Poem 3 – The Voice of the Rain<br>Poem 4–The Childhood<br>Sentence Reordering, Clauses<br>Classified Advertisements(Situation Vacant, Situation Wanted, TO-LET, For Sale)<br>Debate | August       |
|                                             | Assessment of Listening and Speaking skills                                                                                                                                         | September    |
| Hornbill<br>Writing                         | Chapter-4 The Adventure<br>Advertisements- Educational Institutions, Matrimonials, Missing, Lost & Found, Tours & Travels                                                           | October      |
| Hornbill<br>Snapshots<br>Grammar<br>Writing | Chapter-5 Silk Road<br>Chapter-3 Mother's Day<br>Transformation of sentences<br>Speech                                                                                              | November     |
| Hornbill<br>Snapshots<br>Writing            | Poem 5- Father to Son<br>Chapter-4 – Birth<br>Debate                                                                                                                                | December     |
| Snapshots<br>Grammar                        | Chapter-5 The Tale of Melon City<br>Clauses                                                                                                                                         | January      |
|                                             | Revision, ALS                                                                                                                                                                       | February     |

**SUBJECT: PHYSICS (042)**

Books: NCERT VOL. I &amp; VOL.2

| Chapter Number | Chapter Name                               | Month    |
|----------------|--------------------------------------------|----------|
| Chapter-3      | Motion in a Plane                          | April    |
| Chapter-1      | Units and Measurement                      | April    |
| Chapter-2      | Motion in a Straight Line                  | May-June |
| Chapter-4      | Laws of Motion                             | July     |
| Chapter-5      | Work, Energy and Power                     | July     |
| Chapter-6      | Systems of Particles and Rotational Motion | August   |
| Chapter-7      | Gravitation                                | October  |
| Chapter-8      | Mechanical properties of Solids            | October  |
| Chapter-9      | Mechanical properties of Fluids            | November |
| Chapter-10     | Thermal Properties of Matter               | November |
| Chapter-11     | Thermodynamics                             | December |
| Chapter-12     | Kinetic Theory                             | January  |
| Chapter-13     | Oscillations                               | January  |
| Chapter-14     | Waves                                      | January  |

**SUBJECT: PHYSICS PRACTICAL (042)**

| Sr. No. | Name of the Experiment                                                                                                  | Month     |
|---------|-------------------------------------------------------------------------------------------------------------------------|-----------|
| 1       | To measure internal diameter and depth of a given beaker/calorimeter using Vernier Callipers and hence find its volume. | April-May |
| 2       | To measure diameter of a given wire and thickness of given sheet using screw gauge.                                     | July      |
| 3       | To find the weight of a given body using parallelogram law of vectors.                                                  | August    |
| 4       | Using a simple pendulum, Plot its $L-T^2$ graph and use it to find the effective length of second's pendulum.           | September |
| 5       | To find the force constant of a helical spring by plotting a graph between load and extension.                          | November  |
| 6       | To study the relationship between the temperature of a hot body and time by plotting a cooling curve.                   | December  |
| 7       | To study the relation between frequency and length of a given wire under constant tension using sonometer.              | January   |
| 8       | To find the speed of sound in air at room temperature using a resonance tube by two resonance positions.                | January   |

**SUBJECT: CHEMISTRY (043)**

Books: NCERT VOL. I &amp; VOL.2

| Chapter Number | Chapter Name                                             | Month                  |
|----------------|----------------------------------------------------------|------------------------|
| Chapter-1      | Some Basic Concepts of Chemistry                         | April                  |
| Chapter-2      | Classification of elements and Periodicity in Properties | May                    |
| Chapter-3      | Structure of Atom                                        | June ,July             |
| Chapter-4      | Chemical Bonding and Molecular Structure                 | August                 |
| Chapter-7      | Redox Reactions                                          | September              |
| Chapter-8      | Organic Chemistry- Some basic principles and techniques  | October                |
| Chapter-9      | Hydrocarbons                                             | November /<br>December |
| Chapter-5      | Thermodynamics                                           | December               |
| Chapter-6      | Equilibrium                                              | January                |

**Note: The following topics are included in the syllabus but will be assessed only formatively to reinforce understanding without adding to summative assessments.**

**1.s and p block elements (With Classification of elements and periodicity in properties)**

**2.Gaseous state( With Thermodynamics)**

**SUBJECT: CHEMISTRY PRACTICAL**

| Sr. No. | Name of the Experiment                                                                                                                         | Month    |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 1       | Determination of melting point of an organic compound.                                                                                         | April    |
| 2       | Salt Analysis Determination of one anion and one cation in a given salt<br>Cations-zero and first group<br>Anion-Carbonate, Sulphate, chloride | May/July |
| 3       | Determination of strength of a given solution of HCl by titrating it against standard solution of Sodium Carbonate                             | August   |
| 4       | Salt Analysis Determination of one anion and one cation in a given salt<br>Cation-2nd and 3rd<br>Anion- Acetate, Nitrate, Sulphate             | October  |
| 5       | Salt Analysis Determination of one anion and one cation in a given salt<br>Cation-4th and 5th<br>Anion-Acetate, Sulphate , chloride            | November |
| 6       | Detection of -N, S, N and S, Cl, Br, I in organic compounds                                                                                    | December |
| 7       | Determination of strength of NaOH by titrating it against given solution of Oxalic acid                                                        | January  |

**SUBJECT: BIOLOGY (044)**

Book: Biology Textbook for Class XI

| Chapter Number | Chapter Name              | Month     |
|----------------|---------------------------|-----------|
| Chapter-1      | The Living World          | April     |
| Chapter-2      | Biological Classification |           |
| Chapter-3      | Plant Kingdom             | April-May |
| Chapter-4      | Animal Kingdom            |           |

|                                        |                                                                                                |                   |
|----------------------------------------|------------------------------------------------------------------------------------------------|-------------------|
| Chapter-5                              | Morphology of Flowering Plants                                                                 |                   |
| Chapter-6                              | Anatomy of Flowering Plants                                                                    |                   |
| Chapter-7                              | Structural Organisation in Animals                                                             | June-July         |
| Chapter-8<br>Chapter-9<br>Chapter-10   | Cell: The Unit of Life<br>Biomolecules<br>Cell Cycle and Cell Division                         | July-August       |
| Chapter-11<br>Chapter-12               | Photosynthesis in Higher Plants<br>Respiration in Plants                                       | August-September  |
| Chapter-13<br>Chapter-14<br>Chapter-15 | Plant Growth and Development<br>Breathing and Exchange of Gases<br>Body Fluids and Circulation | October           |
| Chapter-16<br>Chapter-17               | Excretory Products and Their Elimination<br>Locomotion and Movement                            | November-December |
| Chapter-18                             | Neural Control and Coordination                                                                | December          |
| Chapter-19                             | Chemical Coordination and Integration                                                          | January           |

**SUBJECT: BIOLOGY PRACTICAL (044)**

| Sr.No. | Chapter Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Month |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| 1      | *Study of the parts of a compound microscope.<br>*Plant Kingdom Study of the specimens /slides /models and identification with reasons - Bacteria, Oscillatoria, Spirogyra, Rhizopus, mushroom, yeast, liverwort, moss, fern, pine, one monocotyledonous plant, one dicot plant and one lichen.                                                                                                                                                                                                                                                                                                                                                                                                                                       | April |
| 2      | *Study of virtual specimens/slides/models and identification with reasons - Amoeba, Hydra, liverfluke, Ascaris, leech, earthworm, prawn, silkworm, honeybee, snail, starfish, shark, rohu, frog, lizard, pigeon and rabbit.<br>*Study and description of three locally available common flowering plants, one from each of the families Solanaceae, Fabaceae and Liliaceae including dissection and display of floral whorls, anther and ovary to show number of chambers (floral formulae and floral diagrams). Types of root (Tap and adventitious); stem (herbaceous and woody); leaf (arrangement, shape, venation, simple and compound).<br>*Study and identification of different types of inflorescence (cymose and racemose). | May   |
| 3      | *Preparation and study of T.S. of dicot and monocot roots and stems (primary).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | July  |

|   |                                                                                                                                                                                                                                                                 |           |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| 4 | *Test for the presence of sugar, starch, proteins and fats.<br>Detection in suitable plant and animal materials.<br>*Study of mitosis in onion root tip cells and animals cells (grasshopper) from permanent slides.<br>* Study of osmosis by potato osmometer. | August    |
| 5 | *Study of plasmolysis in epidermal peels (e.g. Rhoeo leaves).                                                                                                                                                                                                   | September |
| 6 | *Study of distribution of stomata in the upper and lower surface of leaves.<br>*Comparative study of the rates of transpiration in the upper and lower surface of leaves.                                                                                       | October   |
| 7 | *Separation of plant pigments through paper chromatography.<br>*Study of the rate of respiration in flower buds/leaf tissue and germinating seeds.                                                                                                              | November  |
| 8 | *Test for presence of urea, sugar, albumin and bile salts in urine.<br>*Study of human skeleton and different types of joints.                                                                                                                                  | December  |

**SUBJECT: MATHEMATICS (041)**

Book: NCERT FOR CLASS XI

| Chapter Number                        | Chapter Name                                                                         | Month            |
|---------------------------------------|--------------------------------------------------------------------------------------|------------------|
| Chapter-1<br>Chapter-2<br>Chapter-4   | Sets<br>Relations and Functions<br>Complex Numbers and Quadratic Equations           | April-May        |
| Chapter-4<br>Chapter-3<br>Chapter-9   | Complex Numbers and Quadratic Equations<br>Trigonometric Functions<br>Straight Lines | July             |
| Chapter-12<br>Chapter-8               | Limits and Derivatives<br>Sequences and Series                                       | August           |
|                                       | Revision                                                                             | September        |
| Chapter-5<br>Chapter-6                | Linear Inequalities<br>Permutations and Combinations                                 | October          |
| Chapter-10<br>Chapter-11              | Conic Sections<br>Introduction to Three-Dimensional Geometry                         | November         |
| Chapter-13<br>Chapter-7<br>Chapter-14 | Statistics<br>Binomial Theorem<br>Probability                                        | December-January |
|                                       | Revision                                                                             | February         |

**SUBJECT: APPLIED MATHEMATICS (241)**

Book :APC BY M.L.AGGARWAL

| Unit No.  | Unit Name                                                      | Month      |
|-----------|----------------------------------------------------------------|------------|
| II        | Algebra                                                        | April /May |
| II<br>I   | Algebra<br>Numbers, Quantification, and Numerical Applications | July       |
| III<br>IV | Mathematical Reasoning<br>Calculus                             | August     |
|           | Revision                                                       | September  |
| VIII      | Coordinate Geometry                                            | October    |

|     |                        |                  |
|-----|------------------------|------------------|
| V   | Probability            |                  |
| V   | Probability            | November         |
| VI  | Descriptive Statistics | December         |
| VII | Financial Mathematics  | January/February |
|     | Revision               | February         |

### SUBJECT: ECONOMICS (030)

Books: Part A and B by TR Jain and VK Ohri

| Unit Number | Unit Name                                                        | Month      |
|-------------|------------------------------------------------------------------|------------|
| Unit 1      | Introduction to statistics                                       | April      |
| Unit 4      | Introduction to Micro Economics                                  | April- May |
| Unit 5      | Theory of consumers equilibrium                                  | April- May |
| Unit 5      | Theory of Demand                                                 | July       |
| Unit 6      | Theory of Supply                                                 |            |
| Unit 2      | Collection of Data                                               |            |
| Unit 2      | Organization and Presentation of data                            | August     |
| Unit 3      | Measures of Central tendency                                     |            |
| Unit 3      | Measures of Central tendency                                     | September  |
| Unit 6      | Producer's Behavior                                              | October    |
| Unit 6      | Producer's Behavior                                              | November   |
| Unit 3      | Correlation                                                      |            |
| Unit 3      | Index Numbers                                                    | December   |
| Unit 7      | Forms of market<br>Price determination under Perfect Competition | January    |

### SUBJECT: ACCOUNTANCY(055)

Books: D.K. Goel

| Chapter Number | Chapter Name                                              | Month      |
|----------------|-----------------------------------------------------------|------------|
| Chapter-1      | Meaning and Objectives of Accounting                      | April      |
| Chapter-2      | Basic Accounting Terms                                    | April      |
| Chapter- 6     | Accounting Equation                                       | April      |
| Chapter-7      | Double Entry System                                       | May        |
| Chapter-8      | Origin of Transactions: Source Documents of Accountancy   | May        |
| Chapter-9      | Books of Original Entry- Journal                          | May & June |
| Chapter-10     | Accounting for Goods & Service Tax (GST)                  | July       |
| Chapter-13     | Ledger                                                    | July       |
| Chapter-14     | Trial Balance And Errors                                  | July       |
| Chapter-11     | Books of Original Entry- Cash Book                        | August     |
| Chapter-12     | Books of Original Entry- Special Purpose Subsidiary Books | August     |
| Chapter-3      | Accounting Principles                                     | September  |
| Chapter-4      | Process and Bases of Accounting                           | September  |
| Chapter-5      | Accounting Standards                                      | September  |
| Chapter -16    | Bank Reconciliation Statement                             | October    |

|              |                                           |          |
|--------------|-------------------------------------------|----------|
| Chapter-17   | Depreciation                              | October  |
| Chapter – 18 | Provision and Reserves                    | October  |
| Chapter-15   | Rectification of Errors                   | November |
| Chapter-19   | Capital and Revenue                       | November |
| Chapter-20   | Financial Statements- Without Adjustments | December |
| Chapter-21   | Financial Statements- With Adjustments    | December |
| Chapter-22   | Incomplete records                        | January  |

### **SUBJECT: BUSINESS STUDIES(054)**

Books: Business Studies (NCERT)

| <b>Chapter Number</b> | <b>Chapter Name</b>                                     | <b>Month</b> |
|-----------------------|---------------------------------------------------------|--------------|
| Chapter-1             | Business, Trade and Commerce                            | April        |
| Chapter-2 +7          | Forms of Business Organization + Formation of a company | May & June   |
| Chapter-3             | Private, Public and Global Enterprises                  | July         |
| Chapter-4             | Business Services                                       | July         |
| Chapter-5             | Emerging Modes of Business                              | August       |
| Chapter-6             | Social Responsibilities of Business and Business Ethics | August       |
|                       | Revision                                                | September    |
| Chapter-8             | Sources of Business Finance                             | October      |
| Chapter-9             | Small Business                                          | November     |
| Chapter-10            | Internal Trade                                          | December     |
| Chapter-11            | International Business                                  | January      |

### **SUBJECT: HISTORY (027)**

Books: Themes In World History

| <b>Chapter Number</b> | <b>Chapter Name</b>               | <b>Month</b>      |
|-----------------------|-----------------------------------|-------------------|
|                       | Introduction of World History     | April             |
| Theme 1               | Writing and City Life             | April             |
| Theme 2               | An Empire Across Three Continents | May               |
| Theme 3               | Nomadic Empires                   | June/July         |
| Theme 4               | The Three Orders                  | August            |
|                       | Revision                          | September         |
| Theme 5               | Changing Cultural Traditions      | October           |
| Theme 6               | Displacing Indigenous Peoples     | November/December |
| Theme 7               | Paths to Modernisation            | December/January  |
|                       | Revision                          | February          |

**SUBJECT: POLITICAL SCIENCE (028)**

Book I : Indian Constitution at Work

Book II :Political Theory

| Chapter Number | Chapter Name                       | Month     |
|----------------|------------------------------------|-----------|
| <b>BOOK-1</b>  |                                    | April     |
| Chapter 1      | Constitution:Why and How?          |           |
| Chapter-9      | The philosophy of the Constitution |           |
| Chapter-10     | Constitution as a Living Document  | May       |
| Chapter -2     | Rights in the Indian Constitution  | June      |
| Chapter-3      | Election and Representation        | July      |
| Chapter-4      | Executive                          | August    |
|                | Revision                           | September |
| Chapter-5      | Legislature                        | October   |
| Chapter-6      | Judiciary                          | November  |
| Chapter-7      | Federalism                         | December  |
| Chapter-8      | Local Governments                  | January   |
| <b>BOOK-II</b> |                                    | May       |
| Chapter-1      | Political Theory:An Introduction   |           |
| Chapter-2      | Freedom                            | July      |
| Chapter-3      | Equality                           | August    |
| Chapter-4      | Social Justice                     | August    |
|                | Revision                           | September |
| Chapter-5      | Rights                             | October   |
| Chapter-6      | Citizenship                        | November  |
| Chapter-7      | Nationalism                        | December  |
| Chapter-8      | Secularism                         | January   |
|                | Revision                           | February  |

**SUBJECT: PSYCHOLOGY (037)**

Book: NCERT Psychology

| Chapter Number | Chapter Name                                  | Month               |
|----------------|-----------------------------------------------|---------------------|
| Chapter 1      | Understanding Psychology                      | April               |
| Chapter 2      | Methods of Enquiry in Psychology              | May & June          |
| Chapter 3      | Human Development                             | June                |
| Chapter 4      | Sensory, Attentional and Perceptual Processes | July                |
| Chapter 5      | Learning                                      | August              |
|                | Revision                                      | September           |
| Chapter 6      | Human Memory                                  | October & November  |
| Chapter 7      | Thinking                                      | November & December |
| Chapter 8      | Motivation and Emotion                        | January             |

**SUBJECT: PSYCHOLOGY PRACTICAL (037)**

| <b>Practical</b> | <b>Practical Name</b>                                         | <b>Month</b> |
|------------------|---------------------------------------------------------------|--------------|
| Practical 1      | Impact of Meaningfulness of the Studying Material On Learning | July         |
| Practical 2      | Emotional Maturity                                            | October      |

**SUBJECT: ENTREPRENEURSHIP (066)**

Book: Entrepreneurship XI (NCERT)

| <b>Chapter Number</b> | <b>Chapter Name</b>                                | <b>Month</b>        |
|-----------------------|----------------------------------------------------|---------------------|
| Chapter-1             | Entrepreneurship: Concept and Functions            | April               |
| Chapter-2             | An Entrepreneur                                    | May/June            |
| Chapter-3             | Entrepreneurial Journey                            | July                |
| Chapter-4             | Entrepreneurship as Innovation and Problem Solving | August              |
|                       | Revision                                           | September           |
| Chapter-5             | Concept of Market                                  | October & November  |
| Chapter-6             | Business Finance and Arithmetic                    | November & December |
| Chapter-7             | Resource Mobilization                              | January             |

**SUBJECT: GEOGRAPHY(029)**

Book: Fundamentals of Physical Geography

| <b>Chapter No.</b> | <b>Chapter Name</b>                                            | <b>Month</b> |
|--------------------|----------------------------------------------------------------|--------------|
|                    | <b>Book 1: Fundamentals of Physical Geography</b>              |              |
| Chapter-1          | Geography as a discipline                                      | April        |
| Chapter-2          | The Origin and evolution of the earth                          | April        |
| Chapter-3          | Interior of the earth                                          | May          |
| Chapter-4          | Distribution of oceans and continents                          | July         |
| Chapter-5          | Geomorphic processes                                           | August       |
| Chapter-6          | Landforms and their evaluation                                 | August       |
| Chapter-7          | Composition and structure of the atmosphere                    | September    |
| Chapter-8          | Solar radiation, heat balance, and temp.                       | October      |
| Chapter-9          | Atmosphere circulation and weather sys.                        | October      |
| Chapter-10         | Water in the atmosphere                                        | November     |
| Chapter-11         | World climate and climate change(For Internal Assessment Only) | November     |
| Chapter-12         | Water (oceans)                                                 | December     |
| Chapter-13         | Movements of ocean water                                       | December     |
| Chapter-14         | Biodiversity and Conservation (for internal assessment only)   | February     |
|                    | <b>Book 2: India: Physical Environment</b>                     |              |
| Chapter-1          | India: Location                                                | April        |

|           |                                                             |          |
|-----------|-------------------------------------------------------------|----------|
| Chapter-2 | Structure & Physiography                                    | May      |
| Chapter-3 | Drainage system                                             | July     |
| Chapter-4 | Climate                                                     | August   |
| Chapter-5 | Natural vegetation                                          | October  |
| Chapter-6 | Natural hazards and disaster (for internal assessment only) | December |
|           | <b>Book3: Practical</b>                                     |          |
| Chapter-1 | Introduction to Maps                                        | July     |
| Chapter-2 | Map Scale                                                   | July     |
| Chapter-3 | Latitude, Longitude and Time.                               | August   |
| Chapter-4 | Map projections                                             | August   |
| Chapter-5 | Topographical maps                                          | January  |
| Chapter-6 | Introduction to Remote Sensing                              | January  |

### SUBJECT: SOCIOLOGY(039)

Book 1- Introducing Sociology  
Book 2- Understanding Society

| Chapter Number | Chapter Name                                                       | Month            |
|----------------|--------------------------------------------------------------------|------------------|
|                | <b>Book 1 Introducing Sociology</b>                                |                  |
| Chapter 1      | Sociology and Society                                              | April            |
| Chapter 2      | Terms, Concept and Their use in Sociology                          | April/May        |
| Chapter 3      | Understanding Social Institutions                                  | June/July        |
| Chapter 4      | Culture and Socialisation                                          | August           |
|                | Revision                                                           | September        |
|                | <b>Book 2 Understanding Society</b>                                |                  |
| Chapter 2      | Social Change and Social Order in Order in Rural and Urban Society | October/November |
| Chapter 4      | Introducing Western Sociologists                                   | December         |
| Chapter 5      | Indian Sociologists                                                | January          |
|                | Revision                                                           | February         |

### SUBJECT: COMMERCIAL ARTS (052)

| Chapter Number                         | Chapter Name                                                                                                          | Month      |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------------|
| Unit-1<br>Chapter-1(a)<br>Chapter-1(b) | Six limbs of Indian Painting and Fundamentals of Visual art( elements and principles)<br>Pre- historic Rock Paintings | April -May |
| Chapter- 1(b)                          | The art of Indus Valley Civilization                                                                                  | July       |
| Unit-2<br>Chapter- 2                   | Buddhist ,Jain and Hindu Art- Art during Mauryan ,Shunga and Kushana period                                           | August     |
|                                        | Revision and evaluation                                                                                               | September  |

|                     |                                                   |          |
|---------------------|---------------------------------------------------|----------|
| Chapter- 3          | Buddhist ,Jain and Hindu art- Art of Ajanta caves | October  |
| Unit-3<br>Chapter-4 | Temple Sculptures                                 | November |
| Chapter -5          | South Indian Bronzes                              | December |
| Chapter-6           | Indo- Islamic architecture                        | January  |
|                     | Revision and evaluation                           | February |

**SUBJECT: COMPUTER SCIENCE (083)**

Book: NCERT

| <b>Chapter No.</b> | <b>Chapter Name</b>                 | <b>Month</b> |
|--------------------|-------------------------------------|--------------|
| Chapter-1          | Computer System Overview            | April        |
| Chapter-2          | Data Presentation                   | April        |
| Chapter-3          | Boolean Logic                       | May          |
| Chapter-4          | Emerging Trends                     | July         |
| Chapter-5          | Introduction to Problem Solving     | July         |
| Chapter-6          | Getting Starting With Python        | July         |
| Chapter-7          | Python Fundamental                  | August       |
| Chapter-8          | Data Handling                       | August       |
| Chapter-9          | Flow of Control                     | September    |
| Chapter-10         | String Manipulation                 | October      |
| Chapter-11         | List Manipulation                   | November     |
| Chapter-12         | Tuples                              | November     |
| Chapter-13         | Dictionaries                        | December     |
| Chapter-15         | Cyber Safety                        | December     |
| Chapter-16         | Online Access and Computer Security | January      |
| Chapter-17         | Society, Law and Ethics             | January      |

**SUBJECT: INFORMATICS PRACTICES (065)**

Book: Informatics Practices- Sumita Arora

| <b>Chapter No.</b>     | <b>Unit Name</b>                                   | <b>Month</b> |
|------------------------|----------------------------------------------------|--------------|
| Chapter-9              | Database Concepts                                  | April        |
| Chapter-10             | Structured Query Language                          | April- May   |
| Chapter-1              | Computer System                                    | July         |
| Chapter-2<br>Chapter-3 | Getting started with Python<br>Python Fundamentals | August       |
|                        | Revision                                           | September    |
| Chapter-4              | Data Handling                                      | October      |

|                         |                                       |                   |
|-------------------------|---------------------------------------|-------------------|
| Chapter-5               | Flow of Control                       | November          |
| Chapter-6<br>Chapter-7  | List Manipulation<br>Dictionaries     | November-December |
| Chapter-8<br>Chapter-11 | Working with NumPy<br>Emerging Trends | January           |
|                         | Revision                              | February          |

### **SUBJECT: PHYSICAL EDUCATION**

Book – Full Marks

Comprehensive Physical Education by Laxmi Publication

| <b>Chapter Number</b> | <b>Chapter Name</b>                                    | <b>Month</b> |
|-----------------------|--------------------------------------------------------|--------------|
| Unit – 1              | Changing Trends and Carrer in Physical Education       | April        |
| Unit - 2              | Olympic Value Education                                | May          |
| Unit – 3              | Yoga                                                   | July         |
| Unit – 4              | Physical Education and Sports for CWSN                 | July         |
| Unit – 5              | Physical Fitness , Wellness and Lifestyle              | August       |
| Unit – 6              | Test , Measurement and Evaluation                      | August       |
|                       | Practical Assessment and File work                     | September    |
| Unit – 7              | Fundamentals of Anatomy and Physiology in Sports       | October      |
| Unit – 8              | Fundamentals of Kinesiology and Biomechanics in Sports | November     |
| Unit – 9              | Psychology and Sports                                  | December     |
| Unit – 10             | Training and Doping in Sports                          | January      |
|                       | Revision, File work and Practical Assessment           | February     |