

SYLLABUS FOR 2020-21

Class:-XI

ENGLISH

| MONTH | PROSE/LESSON NO. | POEM/LESSON NO. | GRAMMAR |
|-----------|---------------------------------------|---------------------------------------|---|
| APRIL | The Suitor and Papa The Star Ducks | THE DAFFODILS | Compound and Complex Sentence Letter writing (formal and informal) |
| May-June | QUALITY | POETIC DEVICES | SIMPLE PRESENT- I & II Note making |
| July-Aug | Youth & the Tasks The Listeners | THE LISTENERS | SIMPLE PAS- I & II PARAGRAPH WRITING |
| SEPTEMBER | Appa Mam | The Many and the None | Future -I & II Auxiliaries (primary & modal) |
| OCTOBER | REVISION FOR T1 | Where The Mind Is Without Fear | REVISION FOR T1 |
| NOVEMBER | The Surgeon | The Seasons Of The Plains | Conditional Clauses Unseen Comprehension |
| DECEMBER | The Price Of Flowers | Reference to context with explanation | REVISION |
| JANUARY | A Handful Of Dates | The Mosquito | Relative Clauses |
| FEBRUARY | Machines & Emotions | Personal Helicon | Essay writing |
| MARCH | The New Hangman | REVISION | REVISION |
| APRIL | T2 EXAMS | | |

SYLLABUS FOR 2020-21

Class:-XI

CHEMISTRY

| MONTH | CHAPTER | EXPERIMENT |
|-----------|--|--|
| APRIL | Some basic concepts of chemistry Atomic structure | Basic Lab. Techniques |
| MAY | Classification and periodicity of elements Chemical bonding | Characterization and purification of chemical substances |
| JUNE-JULY | States of matter | PH of samples |
| AUGUST | Thermodynamics Equilibrium | To study Reaction involving equilibrium |
| SEPTEMBER | Redox Hydrogen | Titration |
| OCTOBER | S & p- block elements | Qualitative Analysis-1 |
| NOVEMBER | Hydrocarbons Some basic principles and techniques | Qualitative Analysis-2 |
| DECEMBER | Environmental chemistry Revision | Revision |

SYLLABUS FOR 2020-21

Class:-XI

BIOLOGY

| Month | Topic /lesson | Experiments/Practicals |
|-------------|---|--|
| APRIL | 1.The living world 2. Biological Classification 3. Kingdom Plantae | 1) Study of different parts of a compound microscope. |
| MAY-JUNE | 4. Kingdom Animalia 5.Morphology of Flowering Plants 6.Anatomy of Plants | 2) Study of preserved specimen and identification with reason. 3)Preparation of blood smear |
| JULY-AUGUST | 7. Structural organization in Animals. 8.Cell-The Basic Unit of Life | 4) Study of plant cell with the help of chart/ model. 5)Study of animal cell with the help of char/ model . |
| SEPTEMBER | 9.Biomolecules 10.Cell division 11.Transport in Plants | 6) Study of three locally available flowers from the different families. |
| OCTOBER | 12.Mineral Nutrition 13.Photosynthesis in Plants 14.Plant Growth and Development | 7)Visit to any Botanical garden /zoological park. 8) Study of different blood groups. |
|)NOVEMBER | 15.Respiration in Plants 16.Digestion and Absorption 17.Breathing and Exchange of gases | 9) Study of modifications in root and stem and leaves. 10) Study of rate of transpiration. |
| DECEMBER | 18.Excretion 19.Locomotion and Movement 20. Body Fluids and Circulation. | 11)Study of mitosis and meiosis from permanent slides. |
| JANUARY | 21.Neural Control and Coordination 22.Chemical Control and Coordination | 12)Study of T.S. of monocot and dicot root, stem and leaves. |
| FEBRUARY | Revisions | Revisions |

SYLLABUS FOR 2020-21

Class:-XI

| Month | Topic | Experiments |
|--------------|--------------|--------------------|
|--------------|--------------|--------------------|

PHYSICS

SYLLABUS FOR 2020-21

Class:-XI

| | | |
|-----------|--|---|
| April | Mathematical Tools | To measure the diameter of small spherical body using vernier callipers. |
| May | Physical World and Measurement | To measure the volume of small cylindrical body using vernier callipers. |
| June | Kinematics-1 | To measure the diameter of given wire using screw Gauge. |
| July | Kinematics-2 | To measure thickness of given sheet using screw Gauge. |
| August | Laws of Motion | To measure radius of curvature of given spherical surface using spherometer |
| September | Work, Energy and Power | To find coefficient of friction |
| October | Motion of System of Particles and Rigid Body | To find surface tension of water using capillary rise method. |
| November | Gravitation | To find speed of sound in air using resonance tube. |
| December | Properties of Bulk Matter | To study relation between the length of given wire and tension using sonometer. |
| January | Thermodynamics | To find force constant of a spring |
| February | Behaviour of Perfect Gas and Kinetic Theory Oscillation and Waves | |

PHYSICS

SYLLABUS FOR 2020-21

Class:-XI

ECONOMICS AND STATISTICS

| MONTH | TOPIC |
|--------------|---|
| April | 1. Concept of Economics and Significance of Statistics in Economics 2. Collection of Data 3. Census and Sample Methods of Collection of Data |
| May | 4. Organisation of Data 5. Presentation of Data -Textual and Tabular |
| July - Aug | 6. Diagrammatic Presentation of Data - Bar Diagrams and Pie Diagrams 7. Frequency Diagrams - Histogram, Polygon and Ogive 8. Arithmetic Line- Graphs or Time Series Graphs 9. Measures of Central Tendency - Arithmetic Mean |

SYLLABUS FOR 2020-21

Class:-XI

| | |
|--|--|
| | 10. Measures of Central Tendency - Median and Mode |
| September | 11. Measures of Dispersion 12. Correlation 13. Index Numbers 14. Mathematical Tools Used in Economics |
| October | Revision and Term I Exam |
| Book: Indian Economic Development | |
| October | 1. Indian Economy on the Eve of Independence 2. Five Year Plans In India: Goals and Achievements 3. Features, Problems and Policies of Agriculture |
| November | 4. Strategy of Industrial November Growth (1947-1990) 5. India's Foreign Trade 6. Economic Reforms since 1991 or New Economic Policy 7. Poverty 8. Human Capital Formation in India 9. Rural Development 10. Employment and Unemployment 11. Inflation: Problems and Policies |
| December | 12. Infrastructure 13. Environment and Sustainable Development 14. Development Experience of India - Pakistan and China - Comparative Study |
| January | REVISION AND MOCK TESTS |

BUSINESS STUDIES

| MONTH | TOPIC |
|---------------|--|
| APRIL | 1. NATURE AND PURPOSE OF BUSINESS 2. FORMS OF BUSINESS ORGANIZATIONS 3. PRIVATE, PUBLIC AND GLOBAL ENTERPRISES |
| MAY-JUNE | 4. BUSINESS SERVICES 5. EMERGING MODES OF BUSINESS |
| JULY - AUGUST | 6. SOCIAL RESPONSIBILITIES OF BUSINESS AND BUSINESS ETHICS |
| SEPTEMBER | 7. FORMATION OF A COMPANY |

SYLLABUS FOR 2020-21

Class:-XI

| | |
|----------|---|
| | 8.SOURCES OF BUSINESS FINANCE |
| OCTOBER | 9.SMALL BUSINESS ORGANIZATIONS |
| NOVEMBER | 10.INTERNAL TRADE 11.INTERNATIONAL TRADE |
| DECEMBER | REVISION |

ACCOUNTS

| Month | Topics | Books |
|-------|--|-------|
| April | Ch-1 Introduction to Accounting Ch-2 Origin of Transactions Ch-3 Theory Base of Accounting Ch-4 Accounting Equation and Rules of Debit & Credit Ch-5 Journal | |
| May | Ch-6 Accounting For Goods and Services Tax (GST) Ch-7 Ledger Ch-8 Subsidiary Books- Cash Books Ch-9 Other Subsidiary Books | |

SYLLABUS FOR 2020-21

Class:-XI

| | | |
|----------------------|---|--|
| June to July | Ch-10 Journal Proper Ch-11 Trial Balance Ch-12 Bank Reconciliation Statement | |
| August | Ch-13 Depreciation Ch-14 Provisions And Reserves | |
| September to October | Ch-15 Bills Of Exchange Ch-16 Rectification Errors | |
| November | Ch-17 Financial Statements (Without Adjustments) Ch-18 Financial Statements (With Adjustments) | |
| December | Ch-19 Accounts From Incomplete Records Ch-20 Finance Statements of Not-For-Profit Organisations | |
| January | Ch-21 Introduction To Computer and AIS Ch-22 Automation of Accounting Process Ch-23 Data Base System REVISION AND MOCK TEST | |
| February | REVISION AND MOCK TEST | |

POLITICAL SCIENCE

| | |
|------------------------|--|
| <u>Book - A</u> | |
| Month | Topic |
| April | L. No. 1 Making of the Constitution L. No. 2 Fundamental Rights |
| May-June | L. No. 3 System of Representational |

SYLLABUS FOR 2020-21

Class:-XI

| | |
|------------------------------------|--|
| | Democracy L. No. 4 Executive in Parliamentary System L. No. 5 Legislature |
| July-August | L No. 6 Judiciary L No 7 Federalism L. No. 8 Local Government L. No. 9 Philosophy of the Constitution |
| September | L. No. 10 Constitution as a Living Document L. No. 11 Introduction to Political Theory L.NO 12 Freedom |
| Book - B [Political Theory] | |
| October | L. No. 13 Equality L. No. 14 Social Justice |
| November | L. No. 15 Rights L. No. 16 Citizenship L .No. 17 Nationalism L. No. 18 Secularism |
| December | L. No. 19 Peace L. No. 20 Development |

PUBLIC ADMINISTRATION

| <u>Month</u> | <u>Topic</u> |
|--------------|---------------------------------------|
| April | 1. Introduction Meaning/ Scope |
| May-June | 2. Approaches 3. Classical Thought |
| July-August | 4. Human Relation |

SYLLABUS FOR 2020-21

Class:-XI

| | |
|-----------|---|
| September | 5. Principles |
| October | 6. Concept |
| November | 7. Public Policy 8. Financial Administration |
| December | 9. Accountability And Citizen Administration |

VALUE EDUCATION

| MONTH | TOPIC |
|-------|-------------------|
| April | I Make Difference |
| May | Be on Line |

SYLLABUS FOR 2020-21

Class:-XI

| | |
|-------------|------------------------|
| July-August | Taste and see |
| September | Give Yourself to other |
| October | Difference Complement |
| November | Human Right |
| December | Empower Rights |

MATHS

SYLLABUS FOR 2020-21

Class:-XI

| Month | Topic |
|---------------|---|
| April | Sets |
| May | Relations and functions |
| July + August | Trigonometric Functions Principle of Mathematical Induction Complex Numbers and Quadratic Equations |
| September | Linear Inequalities Permutations and Combinations |
| October | Binomial Theorem + Revision of T-1 Syllabus |
| November | Sequences and Series Straight Lines |
| December | Conic Sections Introduction to Three Dimensional Geometry |
| January | Limits and Derivatives Mathematical Reasoning |
| Feburary | Revision of T-2 syllabus. |

PHYSICAL EDUCATION

| <u>Month</u> | <u>Topic</u> |
|--------------|--------------|
|--------------|--------------|

SYLLABUS FOR 2020-21

Class:-XI

| | |
|------------------------|---|
| May | Concept of Physical Education Psychological Aspects of Physical Education |
| June & July | Career Aspects in Physical Education |
| August | Physiological Aspects of Physical Education Health and Family Education |
| September | Concept of Major Games/ Sports |
| October | Practical and Revision |
| November & December | National Games Olympic Games |
| January & February | Diet and Its Importance in Physical Development Common Sports Injuries and Rehabilitation and Practice |

COMPUTER

| Month | Topic |
|--------------|--------------|
|--------------|--------------|

SYLLABUS FOR 2020-21

Class:-XI

| | |
|-----------|--|
| April | Computer Fundamentals Software Concepts |
| May | Operating System Memory Concepts |
| July | Programming methodology |
| August | Introduction to C++ Getting started |
| September | Data Types, Variables and Constants Operators and Expressions |
| October | Programming in C++ User Defined functions Structured Data Type : Array |
| November | Structures |