

Syllabus

### Session:-2023-2024

Class:- XI Subject: Accounts Name of Book:- D.K Goyel Subject Teacher: Pragya Rajan

| Month | Working<br>Davs   | Lesson  | Learning Outcomes  |
|-------|---|---|--|
| April | 23  | Introduction to Accounting<br>Accounting- concept, meaning,<br>as a source of information,<br>objectives, advantages and<br>limitations, types of accounting<br>information; users of accounting<br>information and their needs.<br>Qualitative Characteristics of<br>Accounting Information. Role of<br>Accounting in<br>Business.<br>Basic Accounting Terms- Entity,<br>Business Transaction, Capital,<br>Drawings. Liabilities (Non Current<br>and Current). Assets (Non Current,<br>Current); Expenditure (Capital and<br>Revenue), Expense, Revenue,<br>Income, Profit, Gain, Loss,<br>Purchase, Sales, Goods, Stock,<br>Debtor, Creditor, Voucher,<br>Discount (Trade discount and Cash | After going through this Unit, the students<br>will be able to:<br>describe the meaning, significance,<br>objectives, advantages and limitations of<br>accounting in the modem economic<br>environment with varied types of business<br>and non-business economic entities.<br>identify / recognize the individual(s) and<br>entities that use accounting information for<br>serving their needs of decision making.<br>explain the various terms used in<br>accounting and differentiate between<br>different related terms like current and non-<br>current, capital and revenue.<br>give examples of terms like business<br>transaction, liabilities, assets, expenditure<br>and purchases. explain that<br>sales/purchases include both cash and credit<br>sales/purchases relating to the accounting<br>year  |
| May   | at tanks or <b>P</b><br>Jawes or <b>P</b><br>Score Salad<br>tank rerecon<br>tenting of c<br>beners.<br>Score Salad<br>tenters.<br>Score Salad<br>of Long difference<br>of the solad<br>tenters.<br>Preceders.<br>Store Salad<br>tenters.<br>Store Salad<br>tenters.<br>Score Salad<br>tenters.<br>Score Salad | Theory Base of Accounting<br>Fundamental accounting<br>assumptions: GAAP: Concept<br>Basic Accounting Concept :<br>Business Entity Money<br>Measurement, Going Concern,<br>Accounting Period, Cost Concept,<br>Dual Aspect, Revenue Recognition,<br>Matching, Full Disclosure,<br>Consistency, Conservatism,<br>Materiality and Objectivity<br>System of Accounting. Basis of<br>Accounting: cash basis and accrual<br>basis<br>Accounting Standards:<br>Applicability of Accounting<br>Standards (AS) and Indian<br>Accounting Standards (IndAS)<br>Goods and Services Tax (GST):<br>Characteristics and Advantages  | differentiate among income, profits and<br>gains.<br>. state the meaning of fundamental<br>accounting assumptions and their relevance<br>in accounting.<br>Describe the meaning of accounting<br>assumptions and the situation in which an<br>assumption is applied during the accounting<br>process.<br>Dexplain the meaning, applicability,<br>objectives, advantages and limitations of<br>accounting standards.<br>Describe that various accounting<br>standards developed nationally and globally<br>are in practice for bringing parity in the<br>accounting<br>treatment of different items.<br>Deschowledge the fact that recording of<br>accounting transactions follows double entry<br>system. Dexplain the bases of recording<br>accounting transaction and to appreciate<br>that accrual basis is a better basis for<br>depicting the correct financial position of an<br>enterprise. Dexplain the meaning,<br>advantages and characteristic of GST |

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| June   | 15  | Recording of Business Transactions | After going through this Unit, the students    |
|--|---|------------------------------------|--|
|  |   | Voucher and Transactions:          | will be able to: 2 explain the concept of      |
|  |   | Source                             | accounting equation and appreciate that        |
|  |   | documents and Vouchers.            | every transaction affects either both the      |
|  | 0.000   | Preparation of Vouchers            | sides of the equation or a positive effect on  |
|  |   | Accounting Equation Approach:      | one item and a negative effect on another      |
|  |   | Meaning and Analysis Bules of      | item on the same side of accounting            |
|  |   | Debit and Credit                   | equation R explain the effect of a transaction |
|  |   | Recording of Transactions: Books   | (increase or                                   |
|  |   | of Original Entry- Journal         |  |
|  |   | D Special Durnose books            | decrease) on the assets liabilities canital    |
| · · · ·  | 1.  | Cash Book: Simple cash book        | revenue and expenses                           |
|  | 10/10/10/10   | with bank column and netty         | awhy performed                                 |
|  |   | cashbook                           | arvi kupdéluuk                                 |
| luby   | 22  | Purchases book                     | appreciate that on the basis of source         |
| July   | 23  | D Sales book                       | documents accounting vouchers are              |
|  | 1   | Durchases return book              | prepared for recording transaction in the      |
| a na ma  |   | I Salas raturn book                | books of accounts                              |
|  |   |                                    | Dooks of accounts.                             |
|  |   | Note: Including trade discount     | transactions in journal and the skill of       |
|  |   | freight and cartage expenses for   | calculating GST D evolain the nurnose of       |
| a nasili a la seconda de la<br>Seconda de la seconda de la |   | simple GST calculation             | maintaining a Cash                             |
| 1997 B 1 1   |   | Simple GST calculation.            | Book and develop the skill of proparing the    |
|  |   | in Leuger. Format, Posting from    | format of different types of cash books and    |
|  |   | journal and                        | the method of recording cash transactions in   |
|  |   | subsidiary books, Balancing of     | Cash back                                      |
|  |   | accounts Bank Reconciliation       | Cash Dook.                                     |
|  |   | Statement:                         | describe the method of recording               |
| ionitte po   | 1 4 M 1 5 1 1 1413  | Meed and preparation, Bank         | transactions other than cash transactions as   |
|  |   | Reconciliation                     | per their nature in different subsidiary books |
|  |   | Statement                          | Benergeiste that at times hank halance as      |
|  |   | Depreciation, Provisions and       | appreciate that at times bank balance as       |
| iske i se i e e e  | 1. 1. 1. 1. J. 1. | Reserves                           | Indicated by cash book is different from the   |
|  |   | Depreciation: Meaning,             | bank balance as snown by the pass book /       |
| 1:1-1 · · ·  | - 19- 111 - Hall  | Features, Need, Causes, factors    | bank statement and to reconcile both the       |
| 2 Mar 2 Mar 1  | Churt Sudda   | Other similar terms: Depletion     | balances, bank reconciliation statement is     |
|  |   | and Amortisation                   | prepared.                                      |
|  | and the second  | Methods of Depreciation:           | develop understanding of preparing bank        |
|  | en de 18 901  | I. Straight Line Method (SLM)      | feconciliation statement. If appreciate that   |
| - ini Sganz  | TAU THE PERM  | II. Written Down Value Method      | for ascertaining the position of individual    |
|  |   | (WDV)                              | accounts, transactions are posted from         |
| 1  | 1 - 1 - 16 - St 18 -  | Note: Excluding change of method   | subsidiary books and journal proper into the   |
| 19 JU 24 - 1   | 1   | Difference between SLM and         | concerned accounts in the ledger and           |
|  |   | WDV;                               | develop the skill of ledger posting. I explain |
|  | 이 운영가가 있어?  | Advantages of SLM and WDV          | the necessity of providing depreciation and    |
|  | 1910 (1816-1916)<br>1916 - 1917 (1916-1916)   | P Method of recoding depreciation  | develop the skill of using different methods   |
|  |   | i. Charging to asset account       | for computing depreciation. I understand       |
|  |   | ii. Creating provision for         | the accounting treatment of providing          |
|  |   | depreciation/accumulated           | depreciation directly to the concerned asset   |
| 1  | n, in the Marsh   | depreciation account               | account or by creating provision for           |
| Harrison   | e lachtle -   | I Treatment of disposal of asset   | depreciation account. 🛛 appreciate the         |
| afn 143  | n ing pala  | 2 Provisions, Reserves, Difference | method of asset disposal through the           |
| 18 <sup>11</sup> 11 <sup>12</sup>  | in use off  | Between                            | concerned asset account or by preparing        |
| 12 M F   | , 1800 malia  | Provisions and Reserves.           | asset disposal account. 2 appreciate the need  |
| 16 d   | 이 이 사람을 통합  | Types of Reserves:                 | for creating reserves and                      |
| RAP  | n in mai see  | i. Revenue reserve                 |  |
|  | 1.10.0.0.008  | ii. Capital reserve                |  |
|  | na na Defier  | iii. General reserve               |  |
| 1  |   | iv Specific reserve                |  |

|       |    | v. Secret Reserve 🛙 Difference         |  |
|-------|----|--|--|
|       |    | between capital and revenue            | 2  |
|       |    |  | ÷  |
|       |    |  |  |
| Διισ  | 25 | all balance and Bectification of       |  |
| Aug.  | 23 | Frrors                                 |  |
|       |    | P Trial balance: objectives.           |  |
|       |    | meaning and preparation                |  |
|       |    | (Scope: Trial balance with balance     |  |
|       |    | method only)                           |  |
|       |    | Errors: classification-errors of       |  |
|       |    | omission,                              |  |
|       |    | commission, principles, and            | 5. S.                  |
|       |    | compensating; their effect on Trial    |  |
|       |    | Balance.                               |  |
|       |    | Detection and rectification of         |  |
|       |    | errors; (i) Errors which do not        |  |
|       |    | affect trial balance (ii) Errors which |  |
|       |    | affect trial balance 🛙 preparation     |  |
|       |    | of suspen                              |  |
| Sept. | 15 | Continuation of the previous           | After going through this Unit, the students                |
| 1     |    | chapter                                | will be  |
|       |    |  | able to:   |
|       | w. |  | state the meaning of a Not-for-profit                      |
|       |    |  | making antity  |
|       |    |  | state the meaning of receipts and                          |
|       |    |  | payments   |
|       |    |  | account, and understanding its features.                   |
|       |    |  | • develop the understanding and skill of                   |
|       |    |  | preparing receipts and payments account.                   |
| I     |    |  | <ul> <li>state the meaning of income and</li> </ul>        |
|       |    |  | expenditure  |
|       |    |  | account and understand its features.                       |
|       |    |  | <ul> <li>develop the understanding and skill of</li> </ul> |
|       |    |  | prepa  |
| Oct.  | 17 | Financial Statements- without          |  |
|       |    | adjustment                             |  |
|       |    |  |  |
|       |    |  |  |
| Nov.  | 22 | Continuation of the Financial          | Students will understand the concepts                      |
|       |    | statements and with statements         | regarding trading profit and loss and balance              |
|       |    |  | sheet  |
|       |    |  | ,  |

### Syllabus

### Session:-2023-2024

Class: XI Subject : Chemistry

Subject Teacher: Niyati Rani Mahato

Name of Book:- New millennium chemistry and NCERT Chemistry

| ivionth | working Days | Lesson   | Art integrated Project  |
|---------|--------------|--|---|
| April   | 23           | Unit-1 Some basic concepts of chemistry.<br>Some Basic Concepts of Chemistry.<br>General Introduction: Importance and<br>scope of Chemistry. Nature of matter,<br>laws of chemical combination, Dalton's<br>atomic theory: concept of elements,<br>atoms and molecules. Atomic and<br>molecular masses, mole concept and<br>molar mass, percentage composition,<br>empirical and molecular formula,<br>chemical reactions, stoichiometry and<br>calculations based on stoichiometry. | Draw the mind map of ch-01  |
| May     | 9            | Unit II: Structure of Atom.<br>Discovery of Electron, Proton and<br>Neutron, atomic number, isotopes and<br>isobars.<br>Thomson's model and its limitations.<br>Rutherford's model and its limitations,<br>Bohr's model<br>and its limitations, concept of shells and<br>subshells, dual nature of matter and light,<br>de.<br>Practicals  | Investigatory project<br>Scientific investigation<br>involving Labourtary testing<br>and collecting information<br>from other sources |
| June    | 15           | Unit-II Structure of atom.<br>Broglie's relationship, Heisenberg<br>uncertainty principle, concept of orbitals,<br>quantum<br>numbers, shapes of s, p and d orbitals,<br>rules for filling electrons in orbitals<br>Aufbau<br>principle, Pauli's exclusion principle and<br>Hund's rule, electronic configuration of<br>atoms, stability of half-filled and<br>completely filled orbitals.<br>Practicals.  | uraw the mind map of ch-∠.  |

|          | · · · · · · · · · · · · · · · · · · ·        | S  |                             |
|----------|--|--|-----------------------------|
|          |  | isomerism, physical properties, methods<br>of preparation, chemical reactions:<br>addition of hydrogen, halogen, water,<br>hydrogen halides (Markovnikov's addition<br>and peroxide effect) ozonolysis,<br>oxidation, mechanism of electrophilic<br>addition. Alkynes - Nomenclature, the<br>structure of triple bond (ethyne), physical<br>properties, methods of preparation |                             |
|          |  | chemical reactions: acidic character of<br>alkynes, addition reaction of - hydrogen,<br>halogens, hydrogen halides and water.  |                             |
| January  | 25   | Aromatic Hydrocarbons:<br>Introduction, IUPAC nomenclature,<br>benzene: resonance, aromaticity,<br>cnemical properties: mechanism of<br>electrophilic substitution. Nitration  | Draw the mind map of ch-13. |
|          |  | sulphonation, halogenation, Friedel<br>Craft's alkylation and acylation, directive<br>influence of the functional group in<br>monosubstituted benzene.<br>Carcinogenicity and toxicity.  |                             |
| February | 21   | Revision of All chapters.  | · · · · · ·                 |
|          |  | 나는 바람을 가지 않는 것 않았다. 아이들 것<br>- 아이들 것 같아요 이 가지<br>한 아이들은 것 같아요 아이들 아이들 것 같아.  |                             |
|          | 1 m 4  |  |                             |
|          | a la Galactión Bridge<br>As constitues e con | 5 - 1924 - S   |                             |

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|--|-----------------------|--|---------------------------|
|  | 27                    | Unit III: Classification of Elements and<br>Periodicity in Properties.<br>Significance of classification, brief history<br>of the development of periodic table,<br>modern periodic law and the present<br>form of periodic table, periodic trends in<br>properties elements -atomic radii, ionic<br>radii, inert gas radii, lonization enthalpy,<br>electron gain. enthalpy, electronegativity,<br>valency. Nomenclature of elements with<br>atomic number greater than 100.<br>Practicals. |                           |
| August   | 25                    | TOB STRUCT PROBABLY AND ADDRESS PROF   | Draw the mind man of ch-3 |
| August   | 23                    | Unit IV: Chemical Bonding and Wolecular<br>Structure.  | and 4                     |
|  |                       | Valence electrons, ionic bond, covalent<br>bond, bond parameters, Lewis's<br>structure, polar character of covalent  |                           |
| n<br>Baruno<br>Iaruno<br>Iaruno<br>Iaruno<br>I | <ul> <li></li></ul>   | bond, covalent character of ionic bond,<br>valence bond theory, resonance,<br>geometry of covalent molecules, VSEPR<br>theory, concept of hybridization,   |                           |
|  |                       | involving s, p and d orbitals and shapes of<br>some simple molecules, molecular orbital<br>theory of homonuclear diatomic<br>molecules (qualitative idea only),<br>Hydrogen bond.<br>Unit VI: Chemical Thermodynamics<br>Concepts of System and types of systems,<br>surroundings, work, heat, energy,<br>extensive and intensive properties, state  |                           |
| 5  |                       | functions.   |                           |
|  |                       | Practicals   |                           |
| September                                      | 15                    | Unit VI: Chemical Thermodynamics .<br>First law of thermodynamics -internal  | Draw the mind map of ch-6 |
| a a To Mina I                                  | Eras ere al si<br>Li. | specific heat, measurement of AU and<br>AH, Hess's law of constant heat<br>summation, enthalpy of bond<br>dissociation, combustion, formation  | et loadme                 |
|  |                       | atomization, sublimation, phase<br>transition, ionization, solution and<br>dilution. Second law of Thermodynamics<br>(brief introduction) Introduction of<br>entropy as a state function, Gibb's energy<br>change for spontaneous and non<br>spontaneous processes, criteria for<br>equilibrium. Third law of thermodynamics<br>(brief introduction).  |                           |

|            | 1             | 1  | Ţ   |
|------------|---------------|--|---|
|            |               | Dupation   | 2011 - 10 L   |
|            |               | Practicals   |   |
|            |               | 소리가 아파는 것 같아. 가 가 있었다. 가 있었다.                                  |   |
|            |               | <ul> <li>and the second statistical and statistical</li> </ul> |   |
|            |               | poder at the second of the second second                       |   |
|            |               | an a she ƙasar a ƙwallon ƙasar ƙwallon ƙ                       |   |
|            |               | entre é la activitação palésmente de                           |   |
| October    | 17            | Unit VII: Equilibrium 20 Periods                               | aw the mind map of ch-7.  |
|            |               | Equilibrium in physical and chemical                           |   |
|            |               | processes dynamic nature of equilibrium                        |   |
|            |               | law of mass action equilibrium constant                        |   |
|            |               | factors affecting equilibrium - Le                             |   |
|            |               | Chatolior's principle, jonic equilibrium                       |   |
|            |               | ionization of soids and bases, strong and                      |   |
|            |               | ionization of acids and bases, strong and                      |   |
|            |               | weak electrolytes, degree of ionization,                       |   |
|            |               | ionization of poly basic acids, acid                           | State of the second  |
|            | 6 = 13 v      | strength, concept of pH, hydrolysis of                         |   |
|            |               | salts (elementary idea), buffer solution,                      |   |
|            |               | Henderson Equation, solubility product,                        |   |
|            |               | common ion. effect (with illustrative                          |   |
|            |               | examples).   |   |
| November   | 22            | Unit VIII: Redex Reactions                                     | Investigatory project   |
|            |               | band another etablished braid                                  | Scientific investigation  |
|            |               | 09 Periods Concept of oxidation and                            | involving Labourtary testing  |
|            |               | reduction, redox reactions, oxidation                          | and collecting information  |
|            |               | number, balancing redox reactions, in                          | from other sources.   |
|            |               | terms of loss and gain of electrons and                        |   |
|            |               | change in ovidation number applications                        |   |
|            |               | of redex reactions   |   |
|            |               | of redox reactions.  |   |
|            |               |  |   |
|            |               | Unit XII: Organic Chemistry -Some Basic                        |   |
|            |               | Principles and Techniques 20 Periods                           |   |
|            |               | General introduction, methods of                               |   |
|            |               | purification, qualitative and quantitative                     |   |
|            |               | analysis, classification and IUPAC                             |   |
|            |               | nomenclature of organic compounds.                             |   |
|            |               | Electronic displacements in a covalent                         |   |
|            | 1             | bond: inductive effect, electromeric                           |   |
|            | о.            | effect, resonance and hyper conjugation.                       |   |
|            |               | Homolytic and heterolytic fission of a                         |   |
|            | Con starter - | covalent bond: free radicals.                                  | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1  |
|            |               | carbocations, carbanions, electrophiles                        |   |
|            |               | and nucleonbiles. Types of organic                             |   |
|            |               | reactions  |   |
| Deservices | 10            |  | Drow the mind man of 9 and  |
| December   | 19            | Unit XIII: Hydrocarbons  | Draw the mind map of 8 and  |
|            |               |  | 12.   |
|            |               | Classification of Hydrocarbons Aliphatic                       |   |
|            | 2             | Hydrocarbons:  | 974   |
|            |               | . Shing to get dealer in the                                   |   |
|            |               | Alkanes - Nomenclature, isomerism,                             |   |
|            |               | conformation (ethane only), physical                           | 4   |
|            |               | properties, chemical reactions including                       |   |
|            |               | free radical mechanism of halogenation,                        | the second se |
|            |               | combustion and pyrolysis.                                      |   |
|            |               | sch sheard are invite work allowed                             |   |
|            |               | Alkenes - Nomenclature, the structure of                       |   |
|            |               | double bond (ethene) geometrical                               |   |
|            | 1             | 1  |   |

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# DAYAWATI MODI PUBLIC SCHOOL, CHANDIL Syllabus

Session:-2023-2024

### Teacher: Pinky Kumari Saw

## Class :- XI Subject: BUSINESS STUDIES Name of Book :- Poonam Gandhi

| Apríl                         | 23                            | Part A : Foundation of Business  |   |
|-------------------------------|-------------------------------|--|---|
| ela nge                       | un di                         | History of Trade and Commerce in India:  | After going through this unit , the         |
|                               | 21.23                         | Indigenous Banking System, Rise of   | students would be able to :                 |
|                               |                               | Intermediaries, Transport, Trading   | . 🛙 To acquaint the History of Trade        |
|                               | 1.2.1                         | Communities: Merchant Corporations, Major  | and Commerce in India                       |
|                               |                               | Trade Centres, Major Imports and Exports,  | Understand the meaning of                   |
| 1.000                         |                               | Position of Indian Sub-Continent in the World  | business with special reference to          |
|                               |                               | Economy.   | economic and non-economic                   |
|                               |                               | Business – meaning and characteristics   | activities.                                 |
|                               | 199 <sub>10</sub>             | Business, profession and employment- Concept   | Discuss the characteristics of              |
|                               | 10 4                          | Objectives of business   | business.                                   |
| for ton                       | 1 - 1                         | Classification of business activities -  | Understand the concept of                   |
|                               |                               | Industry and Commerce  | business, profession and                    |
|                               |                               | Industry-types: primary, secondary, tertiary   | employment.                                 |
| ¢.                            |                               | Meaning and subgroups  | Differentiate between business,             |
| init eessa                    |                               | Commerce-trade: (types-internal, external;   | profession and employment.                  |
|                               | L 1.2                         | wholesale and retail) and auxiliaries to trade;  | 2 Appreciate the economic and social        |
|                               |                               | (banking, insurance, transportation,   | objectives of business.                     |
|                               |                               | warehousing, communication, and  | Examine the role of profit in               |
| e dels s                      | D                             | advertising) – meaning   | business.                                   |
|                               | 5.15                          | Business risk-Concept  | Understand the broad categories of          |
|                               |                               | a second and planable.   | business activities- industry and           |
|                               | 2 . S                         | <ul> <li>The countries of the second secon<br/>second second sec</li></ul>  | commerce.                                   |
|                               |                               | al line leaves where a line of the state of the  | Describe the various types of               |
| S. 54                         |                               | and the standard sector of the sector s   | industries.                                 |
|                               |                               | wa u dujizeedhatae - aldus tu  | Discuss the meaning of commerce,            |
|                               |                               | ang sa kana sa   | trade and auxiliaries to trade.             |
|                               |                               |  | Discuss the meaning of different            |
| 1. 1947 -                     |                               | ティットボート P 目標Jenior G したたい  | types of trade and auxiliaries to           |
|                               |                               | $(\mathbf{x}_{1}, \mathbf{y}_{2}) = (\mathbf{x}_{2}, \mathbf{y}_{2}) + (\mathbf{x}_{2}, \mathbf{y}_{2})$ | trade.                                      |
|                               | 1. Ka                         | n geologie and all states with the   | Examine the role of commercetrade           |
|                               |                               | ษุณฑ์กรร์ 4  | and auxiliaries to trade.                   |
| 5-64                          |                               | e na avalandar na avalente   | Understand the concept of risk as a         |
|                               |                               | ក្នុងស្រុកស្រុងស្រុកស្រុកស្រុកស្រុកស្រុកស្រុកស្រុកស្រុក  | special characteristic of business.         |
| a Calculation                 |                               | en a presile dorgener i mense presidente   | Examine the nature and                      |
|                               |                               | יין ביינאל איז   | Cause of business risks.                    |
|                               |                               | Gourse (Reaction) of Greecel Ana Koncept VI  |   |
| Any                           | 00                            | Unit2: Forms of Business Organisation  | B List the different forms of business      |
| 14 - 14 - 14 <sup>- 1</sup> 4 |                               | Sole Proprietorship-Concept, merits and  | organizations and understand their          |
| 1.2.6                         | 1010                          | limitations. Teached   | meaning.                                    |
|                               |                               | Partnership-Concept, types, merits and   | 2 Identify and explain the concept, merits  |
|                               |                               | limitation of partnership, registration of a   | and limitations of Sole Proprietorship.     |
|                               |                               | partnership firm. partnership deed. Types of   | Il Identify and explain the concept, merits |
| 1.00                          | li i i                        | partners' on size and the  | and limitations of a Partnership firm.      |
|                               | -                             | Hindu Undivided Family Business:   | Understand the types of                     |
| -                             |                               | Concept  | partnership on the basis of duration and on |
|                               |                               | Cooperative Societies-Concept, merits, and   | the basis of liability.                     |
| Non-                          | (monormal data and the second | limitations.   | I State the need for registration of a      |
|                               | Veronemand                    | Company - Concept, merits and limitations;   | partnership firm.                           |

Types: Private, Public and One Person Company – Concept

Formation of company - stages, important documents to be used in formation of a company

Choice of form of business organization

Discuss types of partners –active, sleeping, secret, nominal and partner by estoppel.
 Understand the concept of Hindu Undivided Family Business.

 Identify and explain the concept, merits and limitations of Cooperative Societies.
 Understand the concept of

consumers, producers, marketing, farmers, credit and housing cooperatives

Identify and explain the concept, merits and limitations of private and public companies.

Understand the meaning of one person company.

Distinguish between a private company and a public company.

Highlight the stages in the

formation of a company.

Discuss the important documents used in the various stages in the formation of a company

Distinguish between the various forms of business organizations.

Explain the factors that influence the choice of a suitable form of business organization.

 Develop an understanding of Public sector and private sector enterprises
 Identify and explain the features, merits and limitations of different forms of public sector enterprises

Develop an understanding of global enterprises, public private partnership by studying their meaning and features.

Understand the meaning and types of business services.

Discuss the meaning and types of Business service Banking

Develop an understanding of difference types of bank account.

Develop an understanding of the different services provided by banks

Recall the concept of insurance

Understand Utmost Good Faith, Insurable Interest, Indemnity, Contribution, Doctrine of Subrogation and Causa Proxima as principles of insurance

 Discuss the meaning of different types of insurance-life, health, fire, marine insurance.
 Understand the utility of different telecom services

Public sector and private sector enterprises – Concept Forms of public sector enterprises: Departmental Undertakings, Statutory Corporations and Government Company. Global Enterprises – Feature. Public

Unit 3: Public, Private and Global Enterprises

private partnership - concept

lune

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Unit 4: Business Services

Business services – meaning and types. Banking: Types of bank accounts savings, current, recurring, fixed deposit and multiple option deposit account Banking services with particular reference to Bank Draft, Bank Overdraft, Cash credit. E-Banking meaning, Types of digital Payments Insurance – Principles. Types – life, health, fire

and marine insurance – concept Postal Service - Mail, Registered Post, Parcel, Speed Post, Courier - meaning

| july    | 24        | Unit 5: Emerging Modes of Business  | Give the meaning of e-business.                                      |
|---------|-----------|---|--|
|         |           | E - business: concept, scope and benefits   | Discuss the scope of e-business.                                     |
|         | - n.      | 经济税的 化合金 医二乙二乙酰氨基乙酰胺 网络白色   | Appreciate the benefits of ebusiness                                 |
|         |           | n data basa data data data basa basa ba   | Distinguish e-business from  |
|         |           | terreturi ( Calór J)  | traditional business   |
|         |           |   | D State the concent of social  |
|         |           |   | more the concept of social   |
| 12.52   | P 14 11   | na presidente a construir de la   | responsibility.  |
|         |           | Unit 6: Social Responsibility of Business and   | Examine the case for social  |
|         | 164 - V T | Business Ethics   | responsibility.  |
|         |           | Concept of social responsibility  | Identify the social responsibility towards                           |
|         |           | Case of social responsibility   | different interest groups.   |
|         |           | Responsibility towards owners, investors,   | Appreciate the role of business in                                   |
| _       |           | consumers, employees, government and  | environment protection.  |
|         |           | community   | I State the concept of business ethics.                              |
|         |           | Role of husiness in environment protection  | Describe the elements of business ethics                             |
|         |           | Role of business in environment protection  | a Desende the clements of business ethes.                            |
| · ]     |           | Business Ethics - Concept and Elements  |  |
| 100     |           | <ol> <li>Service messare messare and an end of the service of</li></ol> | A LASIN 1 1  |
| 1.5.5.8 |           | na para na ana na kaona kaona ana ana ana ana ana ana ana ana ana   |  |
|         |           | ម្ភាសិត្ត brase , ទាំកសួរស្ថិត <sub>្រក្រ</sub> ារ តារ៉េស   |  |
| Augu    | 25        | Part B: Finance and Trade   | State the meaning, nature and importance                             |
| st      |           | support approximation of the second of the  | of business finance.   |
|         |           | Unit 7: Sources of Business Finance   | I Classify the various sources of funds into                         |
|         | Section   | Concept of business finance   | owners' funds.   |
|         |           | Owners' funds- equity shares preferences  | Pistate the meaning of owners' funds                                 |
|         |           | chara ratained earnings   | I State the meaning of borrowed funds                                |
|         |           | Sildre, retained earnings   | State the meaning of borrowed runds.     Borrowed to borrowed runds. |
| 1.5     |           | Borrowed funds: depentures and bonds, loan  | Discuss the concept of depentures, bonds                             |
| trav Ag |           | from financial institution and commercial banks,  | loans from financial institutions and                                |
|         |           | public deposits, trade credit, Inter Corporate  | commercial banks, Trade credit and inter                             |
| sha     |           | Deposits (ICD).   | corporate  |
|         |           | mohrunspho  | deposits.  |
| 101.04  |           | <ul> <li>area data anti ana area. "</li> </ul>  | Distinguish between owners' funds and                                |
|         |           | and the second state of the second state of the   | borrowed funds.  |
|         |           |   |  |
|         |           | Unit 8: Small Business and Enterprises  | D Understand the concent of  |
|         |           | Entremeneurship Development (ED)  | Entropropourship development (ED)                                    |
|         |           | Entrepreneurship Development (ED).  | Entrepreneurship development (ED),                                   |
|         |           | Concept, Characteristics and Need.  | Intellectual Property Rights   |
|         |           | Process of Entrepreneurship Development:  | Understand the meaning of small busines                              |
|         |           | Start-up India Scheme, ways to fund start-up.   | Discuss the role of small business in India                          |
|         |           | Intellectual Property Rights and  | Appreciate the various Government                                    |
|         |           | Entrepreneurship  | schemes and agencies for development of                              |
|         |           | Small scale enterprise as defined by  | small scale industries. NSIC and DIC with                            |
|         |           | MSMED Act 2006 (Micro, Small and  | special reference to rural, backward area                            |
|         | 10.00 M   | Medium Enternrise Development Act)  |  |
|         |           | Polo of small business in India with enosial  |  |
|         |           | Note of small business in mula with special   |  |
|         |           | reference to rural areas  |  |
|         |           | Government schemes and agencies for small   | ,  |
|         |           | scale industries: National Small Industries   |  |
|         |           | Corporation (NSIC) and District Industrial Centre   |  |
| 1       |           | (DIC) with special reference to rural, backward   |  |
|         |           | areas   |  |
|         |           |   |  |
|         | 1         |   |  |
|         |           |   |  |
|         |           |   |  |

| Sept           | 15      | Unit 9: internal Trade   | 🛙 State the meaning and types of internal  |
|----------------|---------|--|--|
| emb            | 0.296,2 | Internal trade - meaning and types   | trade.   |
| er             | 18.11   | services rendered by a wholesaler and a retailer   | Appreciate the services of   |
|                | 6.0     | Types of retail-trade-Itinerant and small scale  | wholesalers and retailers.   |
|                |         | fixed shops retailers  | Explain the different types of retail trade.   |
|                | 1       | Large scale retailers-Departmental stores, chain   | D Highlight the distinctive features of  |
|                |         | stores – concept   | departmental stores, chain stores and mail   |
|                | 1.00    | GST (Goods and Services Tax): Concept and key-   | order business.  |
|                |         | features   | Understand the concept of GST  |
| 1              |         | n . Coursel Artack (* 👘 🔹 🥬 👘  | Understand the concept of  |
|                |         | the constant of the state of th       | international trade.   |
| - 1 C I        |         | in As, aves 305 S. I capter 2 (e.11-e).  | Describe the scope of international trade  |
|                |         | Unit 10: International Trade   | to the nation and business firms.  |
|                | 1.1     | en en de novembre de la fait de la  | State the meaning and objectives of export   |
| 1 1 N A        |         | International trade: concept and benefits  | trade.   |
| 1              |         | Export trade – Meaning and procedure   | Explain the important steps  |
|                |         | Import Trade - Meaning and procedure   | involved in executing export trade.  |
|                |         | Documents involved in International Trade;   | State the meaning and objectives of import   |
|                |         | indent, letter of credit, shipping order, shipping   | trade.   |
|                | 66.5    | bills, mate's receipt (DA/DP)  | Discuss the important steps  |
|                |         | World Trade Organization (WTO) meaning and   | involved in executing import trade.  |
|                | 1.25    | objectives and division of the second s   | Develop an understanding of the various  |
|                | 1.9     | the privile and the second   | documents used in international trade.   |
| 1.1            | 011     | n no never nativestation of the even of the  | Identify the specimen of the various   |
|                | 46.0    | มา ระหรุก ซา/ฮะธารไป   | documents used in international trade.   |
|                | l od o  | ം പടിത്രം ഒന്നുംപാണ് - ഇതില്ലം പംര്ത്രം  | Highlight the importance of the  |
| 1.1            | 225.    | Contracting and the second s   | documents needed in connection with  |
|                | (der l  | and the properties of momenta banks of a   | international trade transactions.  |
|                |         | sf. 1.成100   | State the meaning of World Trade   |
| -              | ł       | depasa   | Organization.  |
| 1. TA.         | 1000    | このことがなる 市口時間での開発   | Discuss the objectives of World Trade  |
|                |         | Data 2 Wolf the St   | Organization in promoting  |
| 1. Y decontrol |         |  | international trade.   |
|                | 1.1     | <ul> <li>and so to astrony build a set of standard build and set of the s</li></ul> | Charles and the state of the second |
| <u>l</u>       | 19117   | Lieu o galenone identitati di strato della seconda di seconda di seconda di seconda di seconda di seconda di s   | Marker G. Transferrer M. S.  |
| Octo           | 17      | Unit 11: Project Work  | ระทั่งการสราชในกล้างการการการการการการการการการการการการการก   |
| ber            | 22.3    | As per CBSE guidelines.  | nu stutet Silving (trail)  |
|                | 1.00    | <ul> <li>A state of the sta</li></ul> |  |
| - Te i - 1     | 157.13  | ាក់ និងសម័នដែលអង្សេរដែល ប្រទេស សម័ន និង និងសម័ន  | est the state of the state of the  |
| 111120         | 1.161   | 1.1.1.1.200 Bits (1900) 91   |  |
| 1              | 168.18  | <ul> <li>A president function of the second sec</li></ul> |  |
|                |         | <ul> <li>A state to a state to a state of a state o</li></ul> | and the provide states   |

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# DAYAWATI MODI PUBLIC SCHOOL, CHANDIL Syllabus

Session:-2023-2024

Subject Teacher: Shagufta Yasmin Ansari

Class:- 11 Subject : Biology Name of Book:- NCERT and reference Books

| Month     | Working Days | Lesson  | Art Integrated Project |
|-----------|--------------|---|------------------------|
| April     | 23           | UNIT :- 1. Living world<br>Ch.1.The Living world<br>Ch.2. Biological classification<br>Ch.3. Plant Kingdom<br>Practical work    |                        |
| May       | 09           | Ch. 4. Animal kingdom<br>Unit:- 2 Structural Organization in Plants.<br>Ch. 5. Morphology of Flowering Plants<br>Practical Work | 2                      |
| June      | 15           | Ch. 6. Anatomy of Flowering Plants<br>Ch. 7. Structural Organization in Animals<br>Practical Work and project.                  |                        |
| July      | 29           | Unit :- 3. Cell Structure and Function<br>Ch. 8. Cell the Unit of Life.<br>Ch. 9. Biomolecules<br>Practical Work                |                        |
| August    | 25           | Unit :-4. Plant Physiology<br>Ch.10. Cell cycle and cell Division.<br>Ch. 11. Transport in plants.<br>Ch. 12. Mineral Nutrition |                        |
| September | 15           | Ch. 13. Photosynthesis in Higher Plants<br>Ch. 14. Cellular Respiration<br>Ch. 15. Growth and development                       |                        |

| October  | 17 | Unit :- Human Physiology<br>Ch. 16. Digestion and Absorption<br>Ch. 17. Breathing and Exchange of gases.                  |   |
|----------|----|---|---|
| November | 22 | Ch . 18. Body Fluids and circulation.<br>Ch. 19. Excretory Product and their<br>Elimination<br>Practical Work and project |   |
| December | 19 | Ch. 20. Locomotion and Movement.<br>Practical Work and Assignment   |   |
| January  | 25 | Ch. 21. Natural Control and Coordination<br>Ch. 22. Chemical Coordination and<br>Integration.                             |   |
| February | 21 | Revision and CBSE sample paper practice.  | 5 |



Syllabus

Session:-2023-2024

| Name of<br>months | Working<br>Days | Chapter / Lesson Name   | Activity / Project   |
|-------------------|-----------------|---|--|
| April             | 23              | Units and Dimensions  | Make a chart of all Dimensions                             |
| Мау               | 09              | Motion in a Straight Line                                       |  |
| June              | 15              | Motion in two Dimensions  | To prove Vector law of addition using gravestand apparatus |
| July              | 24              | Laws of Motion and Work<br>energy power                         | To make a demonstration on any one source of energy        |
| August            | 25              | Continuation of Work<br>energy power and System<br>of Particles | Same activity  |
| September         | 15              | Gravitation   | Make a PPT on polar and geostationary satellites           |
| October           | 17              | Mechanical properties of solid                                  |  |
| November          | 22              | Mechanical Properties of fluids and Thermodynamics              | Demonstration of any Hydraulic Machine.                    |
| December          | 19              | Themal States of Matter<br>and Kinetic theorv of gases          |  |
| January           | 25              | Oscillation - Simple<br>Harmonic Motion                         |  |
| February          | 21              | Waves.  |  |

Class-XI Subject- PHYSICS Subject Teacher:

### Syllabus

#### Session -2023-2024

Class - 11th

Subject - English Core (301)

Subject Teacher - Sunit Kumar Dey

Name of Book - Hornbill & Snapshots

| Month     | Working Days | Lesson   | Art Integrated Project |
|-----------|--------------|--|------------------------|
| April     | 23           | The Portrait of a Lady (Hornbill)<br>The Summer of the Beautiful White Horse<br>(Snapshots)  | al in codimate and     |
|           |              |  |                        |
| May       | 09           | The Photograph (Poem)  |                        |
| 6         |              | - Brancia a Grandia (Carlor)<br>-<br>  |                        |
| June      | 15           | We are not Afraid to Die: If We Can all be<br>Together (Hornbill)<br>The Laburnum Top(Poem) (Hornbill)<br>Note Making and Summarizing<br>Design Poster   | ALL YILLY              |
| July      | 24           | Discovering Tut: The Saga Continues<br>(Hornbill), The Address (Snapshots)<br>The Voice of the Rain(Poem) (Hornbill)<br>Letter Writing for Writing to School or<br>College Authorities, Public Speech<br>Writing |                        |
| August    | 25           | Mother's Day (Snapshots), Childhood<br>(Poem)(Hornbill), Writing For Debate,<br>Clauses<br>Practice for Integrated Grammar<br>Revision for Half Yearly Examination   |                        |
| September | 15           | Birth (Snapshots)<br>Revision for Half-Yearly Examination  |                        |

| October              | 17  | Father to Son(Poem) (Hornbill)<br>The Adventures (Hornbill)<br>Practice for Integrated Grammar   | ۱ <sup>-</sup>  |
|----------------------|---|--|---|
|                      | e.<br>Subject Dataci  |  |   |
| November             | 22  | Silk Road (Hornbill)<br>The Tale of Melon City (Snapshots)<br>Practice for Integrated Grammar  | e dect Teaccas - Sunit Kuman<br>Letric of Qook - Econital A Sna   |
|                      | $\mathcal{C}_{\mathcal{F}}^{(2)} = \{ i \in \mathcal{F}_{\mathcal{F}} : i \in \mathcal{F}_{\mathcal{F}} \}$ | Lesson   | - main [ Sole wing Damp   |
|                      |   | The Porthalt of a Ludy (Hombili)   | surd 23   |
| December             | 19  | Revision for Writing Section<br>Revision for Integrated Grammar  |   |
|                      |   | (in end of the main of the mai | vo vaki   |
| January <sup>©</sup> | 25  | Revision for Final Examination   |   |
|                      | e   | We are not would be 0.41 h word an all 1   | 1 8 m - 5 m |
| February             | 21  | Revision for Final Examination   |   |
|                      |   | (Netrobili, Tre Aldress (probables)<br>1 File Valas of Nil, Rain(Roem) (Hombili)<br>1 citar Wilding for Writing to School of<br>Callesy Anthroties, Public Speech<br>Writin  |   |
|                      |   | <ul> <li>Dense Cay (Stapshols), Childhood</li> <li>Dense Say (Stapshols), Childhood</li> <li>Dense</li> <li>Cleases</li> <li>Cleases</li> <li>Discreted Stamper</li> <li>Dension for Half Yesty (Statution)</li> </ul>   | 121238-5-8<br>,   |
|                      |   | Pirth Granderts)<br>Revolution to Thei <b>r Yearly Examination</b>   |   |
| ĸ                    |   |  |   |



Syllabus

Session:-2023-2024

Class 11

# SUBJECT- COMPUTER SCIENCE (083)

| Months | Days   | Topic ana to debom us moster prisonep  |  |
|--------|--|--|--|
| April  | 23   | <ul> <li>Basic computer organisation: Introduction to Computer System, hardware, software, input device, output device, CPU, memory (primary, cache and secondary), units of memory (bit, byte, KB, MB, GB, TB, PB)</li> <li>Types of software: System software (Operating systems, system utilities, device drivers), programming tools and language translators (assembler, compiler, and interpreter), application software</li> </ul>  |  |
| May    | 09   | Number System: Binary, Octal, Decimal and Hexadecimal number<br>system; conversion between number systems<br>• Encoding Schemes: ASCII, ISCII, and Unicode (UTF8, UTF32)   |  |
| June   | 15   | Operating System(OS): functions of the operating system, OS user<br>interface<br>Boolean logic: NOT, AND, OR, NAND, NOR, XOR, NOT, truth<br>tables and De Morgan's laws, Logic circuits  |  |
| July   | 24 month is<br>an elout 6<br>in reaction<br>di reaction<br>di reaction<br>(1<br>in reaction<br>(1<br>in reaction<br>(1<br>in reaction) | <ul> <li>Introduction to Problem-solving: Steps for Problem-solving<br/>(Analyzing the problem, developing an algorithm, coding, testing,<br/>and debugging), representation of algorithms using flowchart and<br/>pseudocode, decomposition</li> <li>Familiarization with the basics of Python programming:<br/>Introduction to Python, Features of Python, executing a simple<br/>"hello world" program, execution modes: interactive mode and<br/>script mode, Python character set, Python tokens( keyword,<br/>identifier, literal, operator, punctuator), variables, concept of I-value<br/>and r-value, use of comments</li> <li>Knowledge of data types: Number(integer, floating point,<br/>complex), boolean, sequence(string, list, tuple), None,<br/>Mapping(dictionary), mutable and immutable data types.</li> </ul> |  |
| August | 25   | Operators: arithmetic operators, relational operators, logical<br>operators, assignment operators, augmented assignment<br>operators, identity operators (is, is not), membership operators (in<br>not in)   |  |

|     |   |  | <ul> <li>Expressions, statement, type conversion, and input/output:<br/>precedence of operators, expression, evaluation of an expression,<br/>type-conversion (explicit and implicit conversion), accepting data as<br/>input from the console and displaying output.</li> <li>Errors- syntax errors, logical errors, and run-time errors</li> <li>Flow of Control: introduction, use of indentation, sequential flow,<br/>conditional and iterative flow</li> <li>Conditional statements: if, if-else, if-elif-else, flowcharts, simple<br/>programs: e.g.: absolute value, sort 3 numbers and divisibility of a<br/>number.</li> <li>Iterative Statement: for loop, range(), while loop, flowcharts, break<br/>and continue statements, nested loops, suggested programs:<br/>generating pattern, summation of series, finding the factorial of a<br/>positive number, etc.</li> </ul>  |
|-----|---|--|---|
| Sep | nton<br>e. KB<br>e. KB<br>iton<br>tion<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF32<br>DTF | e, CPU <b>21</b> .<br>pry ( bi, by<br>pry ( bi, by<br>d languaga<br>d languaga<br>exadecima<br>de (UTF8,<br>http system<br>COR, NOT,<br>toolem-solver<br>tsing flower<br>tsing flower  | <ul> <li>Strings: introduction, string operations (concatenation, repetition, membership and slicing), traversing a string using loops, built-in functions/methods-len(), capitalize(), title(), lower(), upper(), count(), find(), index(), endswith(), startswith(), isalnum(), isalpha(), isdigit(), islower(), isupper(), isspace(),lstrip(), rstrip(), strip(), replace(), join(), partition(), split()</li> <li>Lists: introduction, indexing, list operations (concatenation, repetition, membership and slicing), traversing a list using loops, built-in functions/methods-len(), list(), append(), extend(), insert(), count(), index(), remove(), pop(), reverse(), sort(), sorted(), min(), max(), sum(); nested lists, suggested programs: finding the maximum, minimum, mean of numeric values stored in a list; linear search on list of numbers and counting the frequency of elements in a list.</li> <li>Tuples: introduction, indexing, tuple operations (concatenation, repetition, membership and slicing); built-in functions/methods – len(), tuple(), count(), index(), sorted(), min(), max(), sum(); tuple assignment, nested tuple; suggested programs: finding the minimum, maximum, mean of values stored in a tuple; linear search on a tuple of numbers, counting the frequency of elements in a tuple.</li> </ul> |
| Oct |   | 17 Unitible<br>Source of the<br>source of the<br>sour | Dictionary: introduction, accessing items in a dictionary using keys,<br>mutability of a dictionary (adding a new term, modifying an existing<br>item), traversing a dictionary, built-in functions/methods – len(),<br>dict(), keys(), values(), items(), get(), update(), del(), del, clear(),<br>fromkeys(), copy(), pop(), popitem(), setdefault(), max(), min(),<br>sorted(); Suggested programs: count the number of times a<br>character appears in a given string using a dictionary, create a<br>dictionary with names of employees, their salary and access them.<br>• Introduction to Python modules: Importing module using 'import '<br>and using from statement, importing math module (pi, e, sqrt(),<br>ceil(), floor(), pow(), fabs(), sin(), cos(), tan()); random module<br>(random(), randint(), randrange()), statistics module (mean(),<br>median(), mode()).   |

|     |    | <ul> <li>etiquettes, social media étiquettes</li> <li>Data Protection: Intellectual property rights (copyright, patent, trademark), violation of IPR(plagiarism, copyright infringement, trademark infringement), open source software and licensing (Creative Commons, GPL and Apache)</li> <li>Cyber Crime: definition, hacking, eavesdropping, phishing and fraud emails, ransomware, cyber trolls, cyber bullying</li> <li>Cyber safety: safely browsing the web, identity protection, confidentiality</li> <li>Malware: viruses, trojans, adware</li> <li>E-waste management: proper disposal of used electronic gadgets.</li> <li>Information Technology Act (IT Act)</li> <li>Technology and society: Gender and disability issues while teaching and using computers</li> </ul> |  |
|-----|----|---|--|
| Dec | 19 | PROJECT WORK  |  |
| Jan | 25 | REVISION FOR EXAM   |  |
| Feb | 21 |   |  |
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# DAYAWATI MODI PUBLIC SCHOOL, CHANDIL Syllabus Session:-2023-2024

| Class-11 Subject- Mathematics |                 |   | Subject Teacher: Ajay Kumar Singh  |  |
|-------------------------------|-----------------|---|--|--|
| Name of months                | Working<br>Days | Chapter / Lesson Name   | Activity / Project   |  |
| April                         | 23              | <ol> <li>Sets</li> <li>Relations and Functions</li> </ol>   | 1. To find the number of subsets of a given<br>set and verify that if a set has n number of<br>elements, then the total number of subsets<br>is 2n.                          |  |
| Мау                           | 09              | 3. Trigonometric Functions  | 2. To verify that for two sets A and B, n<br>(A×B) = pq and the total number of relations<br>from A to B is 2pq, where $n(A) = p$ and $n(B) = q$ .                           |  |
| June                          | 15              | 4. Complex Numbers and<br>Quadratic Equations   | 3. To represent set theoretic operations using Venn diagrams.  |  |
| July                          | 24              | <ol> <li>5. Linear Inequalities</li> <li>6. Permutations and<br/>Combinations</li> </ol>                        | 4. To verify distributive law for three given<br>non-empty sets A, B and C, that is, A ∪ (B<br>$\cap$ C) = (A ∪ B) $\cap$ (A ∪ C)  |  |
| August                        | 25              | <ol> <li>7. Binomial Theorem</li> <li>8. Sequences and Series</li> </ol>  | 5. To verify the relation between the degree measure and the radian measure of an angle.   |  |
| September                     | 15              | 9. Straight Lines   | 6. To find the values of sine and cosine<br>functions in second, third and fourth<br>quadrants using their given values in first<br>quadrant.                                |  |
| October                       | 17              | 10. Conic Sections  | 7. To prepare a model to illustrate the values of sine function and cosine function for different angles which are multiples of $\pi$ and $\pi/2$ .                          |  |
| November                      | 22              | <ol> <li>11. Introduction to Three</li> <li>Dimensional Geometry</li> <li>12. Limits and Derivatives</li> </ol> | 8. To verify the formula for the area of a triangle by graphical method.   |  |
| December                      | 19              | 13. Statistics  | 9. To establish the criteria for similarity of two triangles.  |  |
| January                       | 25              | 14. Probability   | 10. To verify that angle in a semi-circle is a right angle, using vector method.   |  |
| February                      | 21              | Revision  | 11. To locate the points to given<br>coordinates in space, measure the<br>distance between two points in space and<br>then to verify the distance using distance<br>formula. |  |