

DELHI PUBLIC SCHOOL, DHALIGAON

SYLLABUS BREAKUP FOR APRIL, 2025-26

CLASS:- XII (SCIENCE)

NO OF WORKING DAYS : 22 DAYS

SL. NO.	SUBJECT	UNIT/ LESSON NO.	TOPIC/SUB TOPICS
1	English	Literature Language Comm.Skills	<ul style="list-style-type: none"> My mother at Sixty Six The Last Lesson The Lost Spring Notice Drafting Reading Comprehension COMM. SKILL-GROUP DISCUSSION
2	Mathematics	Matrices Determinants Relation and Functions	<ul style="list-style-type: none"> Concept, notation, order, equality, types of matrices, zero and identity matrix, transpose of a matrix, symmetric and skew symmetric matrices. Operations on matrices: Addition and multiplication and multiplication with a scalar. Simple properties of addition, multiplication and scalar multiplication. Noncommutativity of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (restrict to square matrices of order 2). Invertible matrices and proof of the uniqueness of inverse, if it exists; (Here all matrices will have real entries). Determinant of a square matrix (up to 3 x 3 matrices), minors, co-factors and applications of determinants in finding the area of a triangle. Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of system of linear equations by examples, solving system of linear equations in two or three variables (having unique solution) using inverse of a matrix. Types of relations: reflexive, symmetric, transitive and equivalence relations.
3	Physics	1,2	Electrostatics: ●Electric Charges and Fields Electric charges, Conservation of charge, Coulomb's law-force between two-point charges, forces between multiple charges; superposition principle and continuous charge distribution. Electric field, electric field due to a point charge, electric field lines, electric dipole, electric field due to a dipole, torque on a dipole in uniform electric field. Electric flux, statement of Gauss's theorem and its applications to find field due to infinitely long straight wire, uniformly charged infinite plane sheet and uniformly charged thin spherical shell (field inside and outside). ●Electrostatic Potential and Capacitance Electric potential, potential difference, electric potential due to a point charge, a dipole and system of charges; equipotential surfaces, electrical potential energy of a system of two-point charges and of electric dipole in an electrostatic field. PRACTICAL: To determine resistivity of two / three wires by plotting a graph for potential difference versus current
4	Chemistry	1	●Solutions: Types of solutions, expression of concentration of solutions of solids in liquids, solubility of gases in liquids, solid solutions, Raoult's law, colligative properties - relative lowering of vapour pressure, elevation of boiling point, depression of freezing point, osmotic pressure, determination of molecular masses using colligative properties, abnormal molecular mass, Van't Hoff factor PRACTICAL – Salt Analysis
5	Biology	4	●Principles of Inheritance and Variation Heredity and variation: Mendelian inheritance; deviations from Mendelism – incomplete dominance, co-dominance. Multiple alleles and inheritance of blood groups. Practical: Study of Mendelian inheritance ●Male and female reproductive systems; microscopic anatomy of testis and ovary; gametogenesis, spermatogenesis and oogenesis; menstrual cycle; fertilisation, embryo development upto blastocyst formation, implantation; pregnancy and placenta formation (elementary idea); parturition (elementary idea); lactation (elementary idea).

SL. NO.	SUBJECT	UNIT/ LESSON NO.	TOPIC/SUB TOPICS
6	Computer Science	Computational Thinking and Programming – 2 -1	<ul style="list-style-type: none"> ● Revision of Python topics covered in Class XI. ● Functions: types of function (built-in functions, functions defined in module, user defined functions), creating user defined function, arguments and parameters, default parameters, positional parameters, function returning value(s), flow of execution, scope of a variable (global scope, local scope) ● Exception Handling: Introduction, handling exceptions using try-except-finally blocks
7	Physical Education	<p>Unit-1</p> <p>UNIT-2</p>	<p>MANAGEMENT OF SPORTING EVENTS:</p> <ul style="list-style-type: none"> ● Function of Sports events Management(Planning, Organising, staffing, Directing & Controlling) ● Various Committees and its responsibilities(pre, during and post) ● Fixture and its Procedures—Knock out,(Bye & Seeding) & League (Staircase, Cyclic & Tabular Method) Combination Tournament. ● Intramural and Extramural Tournaments- Meaning , Objectives and its significance. Specific sports programme- (Sports Day, Run for Fun, Health Run, Run For specific causes & Run for unity.) <p>CHILDREN & WOMEN IN SPORTS</p> <ul style="list-style-type: none"> ● Exercise guide lines Of WHO for different age groups. ● Common Postural deformities- Knock Knee, Bow legs, Flat foot, Round Shoulders, Lordosis, Kyphosis, Scoliosis and their corrective measures. ● Special consideration (Menarche & Menstrual Dysfunction) ● Women participation in sports- Physical, Psychological and social benefits. ● Female athlete triad(Osteoporosis, Amenorrhea, Eating disorder) ● Female athlete triad ● (Osteoporosis, Amenorrhea and Eating disorder)
10	MUSIC	1.1	<ul style="list-style-type: none"> ● Brief study of the following: Alankar, Kasn, Meend, Khatka, Murki, Gamak. Practical: Raag - Bhairav (Chota Khayal)

I/C Academics

Headmaster

Principal

DELHI PUBLIC SCHOOL, DHALIGAON

SYLLABUS BREAKUP FOR APRIL, 2025-26

CLASS:- XII (COMMERCE)

NO OF WORKING DAYS : 22 DAYS

SL. NO.	SUBJECT	UNIT/ LESSON NO.	TOPIC/SUB TOPICS
1	English	Literature Language Comm. Skills	<ul style="list-style-type: none"> My mother at Sixty Six The Last Lesson The Lost Spring Notice Drafting Reading Comprehension <p>COMM. SKILL-GROUP DISCUSSION</p>
2	Mathematics	Matrices Determinants Relation and Functions	<ul style="list-style-type: none"> Concept, notation, order, equality, types of matrices, zero and identity matrix, transpose of a matrix, symmetric and skew symmetric matrices. Operations on matrices: Addition and multiplication and multiplication with a scalar. Simple properties of addition, multiplication and scalar multiplication. Noncommutativity of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (restrict to square matrices of order 2). Invertible matrices and proof of the uniqueness of inverse, if it exists; (Here all matrices will have real entries). Determinant of a square matrix (up to 3 x 3 matrices), minors, co-factors and applications of determinants in finding the area of a triangle. Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of system of linear equations by examples, solving system of linear equations in two or three variables (having unique solution) using inverse of a matrix. Types of relations: reflexive, symmetric, transitive and equivalence relations.
3	Accountancy	Accounting for Partnership	<p>Fundamental</p> <ul style="list-style-type: none"> Theory of partnership. Partners Capital Account (fixed and fluctuating) Profit and Loss Appropriation. Interest on drawings, Interest on Capital, Interest on Loan, Managers Commission Guarantee of Profit-by the firm and by the partner Past Adjustment.(including interest on capital, interest on drawings, salary etc.) <p>Goodwill Valuation</p> <ul style="list-style-type: none"> Theory of Goodwill- meaning and nature Methods for valuation – Average Profit Method , Super Profit Method and Capitalisation Method
4	Economics	Unit-1 Unit-6	<p>National Income and Related Aggregates: Basic concepts in macroeconomics, Circular flow of income (two sector model),</p> <p>Development Experience (1947-90): Indian economy on the eve of independence, Indian economic system and common goals of Five Year Plans</p>
5	Business Studies	CHAPTER-1 CHAPTER-2	<p>NATURE & SIGNIFICANCE OF MANAGEMENT:</p> <ul style="list-style-type: none"> Meaning, Concept, Objectives, Features & Importance of Management. Nature of Management as Science, Art & Profession, Levels of Management, Top-Middle-Lower Level of Management Functions of Management, Coordination- Meaning, Features. Coordination: Essence of Management, Importance of Coordination. <p>PRINCIPLES OF MANAGEMENT:</p> <ul style="list-style-type: none"> Concept, Features and Significance of Management Principles. Henry Fayol's General Management Principle ➤ Fredrick Winslow Taylor's Scientific Management Principles & Techniques. Advantages of Scientific Management. <p>Relevance & Comparison between Fayol's& Taylor's Contributions</p>
6	Entrepreneurs hip	UNIT-1	<p>ENTREPRENEURIAL OPPORTUNITY</p> <ul style="list-style-type: none"> Business opportunity, Elements of a business opportunity. Exploring opportunities in environment, Perceiving and sensing opportunities, Factors involved in sensing opportunities.

SL. NO.	SUBJECT	UNIT/ LESSON NO.	TOPIC/SUB TOPICS
			<ul style="list-style-type: none"> • Environmental scanning & Importance & Analysis. • Environmental factors & PESTEL Model • Problem identification and its uses • Idea generation and various sources of idea fields • Idea and opportunity assessment- steps involved Market assessment and details preparation. • Trend spotting and its ways. • Creativity and process of creativity. • Elements in the innovation process.
7	Computer Science	Computational Thinking and Programming – 2 -I	<ul style="list-style-type: none"> • Revision of Python topics covered in Class XI. • Functions: types of function (built-in functions, functions defined in module, user defined functions), creating user defined function, arguments and parameters, defaultparameters, positional parameters, function returning value(s), flow of execution, scope of a variable (global scope, local scope) • Exception Handling: Introduction, handling exceptions using try-except-finally blocks
9	Physical Education	UNIT-1 UNIT -2	<p><u>MANAGEMENT OF SPORTING EVENTS:</u></p> <ul style="list-style-type: none"> • Function of Sports events Management(Planning, Organising, staffing, Directing & Controlling) • Various Committees and its responsibilities(pre, during and post) • Fixture and its Procedures—Knock out,(Bye & Seeding) & League (Staircase, Cyclic & Tabular Method) Combination Tournament. • Intramural and Extramural Tournaments- Meaning , Objectives and its significance. Specific sports programme- (Sports Day, Run for Fun, Health Run, Run For specific causes & Run for unity.) <p><u>CHILDREN & WOMEN IN SPORTS</u></p> <ul style="list-style-type: none"> • Exercise guide lines Of WHO for different age groups. • Common Postural deformities- Knock Knee, Bow legs, Flat foot, Round Shoulders, Lordosis, Kyphosis, Scoliosis and their corrective measures. • Special consideration (Menarche & Menstrual Dyfunction) • Women participation in sports- Physical, Psychological and social benefits. • Female athlete triad(Osteoporosis, Amenorrhea, Eating disorder) • Female athlete triad • (Osteoporosis, Amenorrhea and Eating disorder)
10	Music		<p>Brief study of the following: Alankar, Kasn, Meend, Khatka, Murki, Gamak. Practical: Raag - Bhairav (Chota Khayal)</p>

I/C Academics

Headmaster

Principal

DELHI PUBLIC SCHOOL, DHALIGAON

SYLLABUS BREAKUP FOR APRIL, 2025-26

CLASS:- XII (HUMANITIES)

NO OF WORKING DAYS : 22DAYS

SL. NO.	SUBJECT	UNIT/LESS. NO	TOPIC/SUB TOPICS
1	English	Literature Language Comm. Skills	<ul style="list-style-type: none"> • My mother at Sixty Six • The Last Lesson • The Lost Spring • Notice Drafting • Reading Comprehension <p style="text-align: center;">COMM. SKILL-GROUP DISCUSSION</p>
2	Economics	UNIT-2 & 6	<p>National Income and Related Aggregates: Basic concepts in macroeconomics, Circular flow of income (two sector model),</p> <p>Development Experience (1947-90): Indian economy on the eve of independence, Indian economic system and common goals of Five Year Plans</p>
3	History	Chap: 10 Chap: 11	<p>Book three</p> <p>Colonialism & the Countryside Rebels & the Raj</p>
4	Geography	1 4	<p>Population: Distribution, Density, Growth and Composition</p> <p># Map work to show India map of growth of population</p> <p>Human geography: Nature and scope</p> <p>Human Settlements. Types, Urbanization, Classification of Towns.</p> <p>Practical 1:-Data –Its source and compilation</p>
5	IP	Programming in C++	<p>Object Oriented programming :</p> <p>Concept of OOP, data Hiding, Encapsulation, Class and Object , Polymorphism ,Inheritance, Function Over loading, member function ,</p> <p>Concept of Private ,public ,protected Modifier, Concept of inline and normal function, Concept of constructor and Destructor</p>
6	Physical Education	UNIT -1 UNIT-2	<p>Management of Sports Events:</p> <ol style="list-style-type: none"> 1. Function of Sports events Management(Planning, Organising, Staffing, Directing and Controlling) 2. Various committees & thier responsibilities(Pre , during and Post) 3. Fixtures and thier procedure-Knockout(Bye & Seeding) League(Stairecase, Cyclic & Tubular method) 4. Intramural & Extramural tournaments- Meaning , Objectives & its significance 5. Community sports program (Sports day, Health run, Run for fun, Run for specific causes & Run for unity) Children & Women in Sports: <ol style="list-style-type: none"> 1. Exercise guidelines of WHO for different age groups. 2. Common postural deformities –Knock Knees, fFat Foot, Round Shoulder, Lordosis, Kyphosis, Scoliosis and Bow legs and thier respective corrective measures. 3. Women participatonin sports –Physical, Psychological and Social benefits 4. Special consiration(Menarche and Menstural dysfunction) 5. Female athlete triad (Osteoporosis, Amenorrhea and Eating disorder)
7	Music		<p>Brief study of the following: Alankar, Kasn, Meend, Khatka, Murki, Gamak.</p> <p>Practical: Raag - Bhairav (Chota Khayal)</p>

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