



DELHI PUBLIC SCHOOL NTPC FARAKKA

SYLLABUS BREAKUP 2026-2027



CLASS : XI

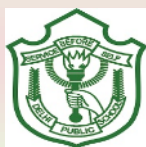
English Core

Month	Working Days	Unit/Chapter Number	Topic/Chapter Name	Sub Topic	Practicals/Activities
April'26	22				
May'26	18				
June'26	06	HORNBILL 1	The Portrait of a Lady	Poster Designing A Photograph,	-----
July'26	Periodic Test-I				
July'26	25	HORNBILL 2 SNAPSHOTS 1	We're Not Afraid to Die... The Summer of the Beautiful White Horse	Notice Classified Advertisement Tenses Debate Writing	Listening and Speaking
August'26	23	SNAPSHOTS 3	The Address	Clauses Transformation of sentences Note Making and Summarising	Listening and Speaking
September'26	Half Yearly Examination				
September'26	23	HORNBILL 3, 4	Discovering Tut.... The Saga Continues	The Laburnum Top Speech Writing The Voice of the Rain	Listening and Speaking
October'26	17	HORNBILL 6 SNAPSHOTS 5	Childhood Mother's Day	Childhood Mother's Day	Listening and Speaking
November'26	19	HORNBILL 7 SNAPSHOTS 7	The Adventure Birth	Notice Poster Classified Advertisements Tenses	Listening and Speaking
December'26	20	HORNBILL 8 SNAPSHOTS 8	Silk Road The Tale of Melon City	Debate Speech Re ordering of Sentences	Listening and Speaking
January'27	Periodic Test-II				
January'27	21		Revision	Revision	Revision
February'27	20		Revision	Revision	Revision
March'27	Annual Examination				

TEXTBOOKS: HORNBILL NCERT
SNAPSHOTS NCERT

Mathematics

Month	W. Day	Unit/Chapter Number	Topic/Chapter Name	Sub Topic	Practicals/Activities
April'26	22	5	Complex Numbers and Quadratic Equations	<input type="checkbox"/> Imaginary Unit i <input type="checkbox"/> Algebra of Complex Numbers <input type="checkbox"/> Addition and Subtraction of Complex Numbers <input type="checkbox"/> Multiplication and Division of Complex	Assignment on Complex Numbers and Quadratic Equations

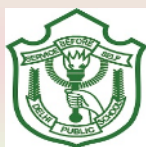


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				Numbers <input type="checkbox"/> Power of i <input type="checkbox"/> Square Root of a Negative Real Number <input type="checkbox"/> Identities of Complex Numbers <input type="checkbox"/> Modulus and Conjugate of a Complex Number <input type="checkbox"/> Argand Plane <input type="checkbox"/> Polar Representation of a Complex Number <input type="checkbox"/> Fundamental Theorem of Algebra <input type="checkbox"/> Solutions of Quadratic Equations in the Complex Number System	
May'26	18	3	Trigonometric Functions	<input type="checkbox"/> Angles <input type="checkbox"/> Degree Measure <input type="checkbox"/> Radian Measure <input type="checkbox"/> Relation between Degree and Radian <input type="checkbox"/> Trigonometric Functions <input type="checkbox"/> Signs of Trigonometric Functions <input type="checkbox"/> Domain and Range of Trigonometric Functions <input type="checkbox"/> Trigonometric Functions of Sum and Difference of Two Angles <input type="checkbox"/> Trigonometric Functions of Multiple Angles <input type="checkbox"/> Trigonometric Functions of Sub-multiple Angles <input type="checkbox"/> Trigonometric Equations <input type="checkbox"/> General Solutions of Trigonometric Equations	Assignment on Trigonometric Functions
June'26	06	13	Limits and Derivatives	<input type="checkbox"/> Intuitive Idea of Limits <input type="checkbox"/> Left Hand Limit and Right Hand Limit <input type="checkbox"/> Limits of Algebraic Functions <input type="checkbox"/> Limits of Trigonometric Functions <input type="checkbox"/> Limits of Exponential and Logarithmic Functions <input type="checkbox"/> Definition of Derivative <input type="checkbox"/> Derivative at a Point <input type="checkbox"/> Algebra of Derivative of Functions <input type="checkbox"/> Derivative of Polynomial and Trigonometric Functions	Assignment on Limits and Derivatives
July'26	Periodic Test-I				
July'26	25	1 & 2	Sets , Relations & Functions	Sets and their Representations/ The Empty Set/ Finite and Infinite Sets /Equal Sets/ Subsets/ Power Set/ Universal Set/ Venn Diagrams Operations on Sets/ Complement of a Set/Cartesian Product of Sets/ Domain, Range and Codomain of a Function/ Real Valued Functions/ Identity Function/ Constant Function/ Polynomial Function// Rational Function/ Modulus Function/ Signum Function Greatest Integer Function/ Algebra of Real Functions	Assignment on Sets , Relations & Functions
August'26	23	6	Linear	<input type="checkbox"/> Inequalities	

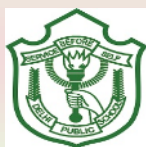


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				Eccentricity of an Ellipse Latus Rectum of an Ellipse Relationship between Semi-axes and Focal Length	Assignment on Ellipse
December '26	20	11	(i)Hyperbola (ii)Circle.	Circle Definition of a Circle Standard Equation of a Circle General Equation of a Circle Radius and Centre of a Circle Circle Passing Through Three Non-Collinear Points <hr/> Hyperbola Definition of a Hyperbola Standard Equations of a Hyperbola Foci and Vertices of a Hyperbola Transverse and Conjugate Axes Eccentricity of a Hyperbola Latus Rectum of a Hyperbola Relationship between a, b and c	Assignment on Circle Assignment on Hyperbola
January '27	Periodic Test-II				
January '27	21	12 & 15	(i)3D (ii)Statistics	Three Dimensional Geometry Coordinate Axes and Coordinate Planes Coordinates of a Point in Space Octants in Three Dimensional Space Distance Between Two Points Section Formula Midpoint Formula Centroid of a Triangle <hr/> Statistics Measures of Dispersion Range Mean Deviation for Ungrouped Data Mean Deviation for Grouped Data Variance Standard Deviation Analysis of Frequency Distributions Coefficient of Variation	Assignment on 3D Assignment on Statistics
February '27	20	8 & 16	(i)Binomial Theorem (ii)Probability	Binomial Theorem Binomial Theorem for Positive Integral Indices Pascal Triangle General Term of Binomial Expansion Middle Term of Binomial Expansion Binomial Coefficients Properties of Binomial Coefficients <hr/> Probability Random Experiments Outcomes and Sample Space Events Occurrence of an Event Types of Events Impossible and Sure Events Complementary Events Mutually Exclusive Events	Assignment on Binomial Theorem Assignment on Probability .



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Exhaustive Events
Axiomatic Approach to Probability
Probability of an Event
Addition Theorem of Probability

February'27 Annual Examination
March'27 Annual Examination

Prescribed Books: NCERT & R.D.Sharma

Physics

Month	Working Days	Unit/Chapter Number	Topic/Chapter Name	Sub Topic	Practicals/Activities
April'26	22	UNIT-1	Units and measurement	SI unit, Significant figure, Dimensional formulae and equations and consistency .	
May'26	18	UNIT-2	Kinematics : Motion in straight line + Motion in a Plane.	Instantaneous velocity and speed, acceleration ,graphical presentation, free fall & numericals. Scalar and vector, addition and subtraction of Vectors-Triangle law Parallelogram law, resolution of vectors & vector cosine, scalar product	
June'26	06	UNIT-2	Kinematics : Motion in a Plane.	Vector product , Projectile motion	
July'26	Periodic Test-I				
July'26	25	UNIT-3 UNIT-4	Laws of Motion Work, Energy and power.	Newtons 1 st ,2 nd ,3 rd law and applications, conservation of momentum, Equilibrium of particle. Friction, circular motion & banking of road. Different types of work done. Kinetic energy, work energy theorem, potential energy & spring force.	Expt. 1A , 2A & 9A
August'26	23	UNIT-4 UNIT-5	Work, Energy and power. Motion of system of Particles and Rigid body.	Power, collisions(1D ,2D) Introduction of rigid body, centre of mass, Torque, angular momentum, equilibrium of rigid body, moment of inertia of different bodies conservation of angular momentum.	Expt. 3A, 10A
September'26	Half Yearly Examination				
September'26	23	UNIT-6	Gravitation	Kepler's laws of planetary motion, Newton's law of gravitation, acc. due to gravity and its variation due to different factors,	
October'26	17	UNIT-6 UNIT-7	Gravitation Properties of Bulk matter	gravitational P.E, escape velocity, Earth satellites. Elasticity: stress-strain, Hooke's law, types of elastic modulus, Elastic PE, Poisson's ratio.	Expt. 2B, 4B
November'26	19	UNIT-7 UNIT-8	Properties of Bulk matter	Pascal's law and hydraulic lift, streamline flow, Bernoulli's	



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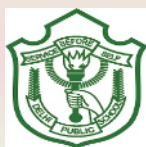


				principle , speed of efflux, Viscosity, stokes law, surface tension & capillary rise, Thermal properties of matter: α , β , γ and relation, specific heat capacity, calorimetry, change of state , Latent heat, thermal conductivity, Newton's law of cooling.	
December'26	20	UNIT-8 UNIT-9	Thermodynamics Kinetic Theory of gases	Introduction of thermodynamics , thermodynamic variables, Zeroth law of thermodynamics, First law, internal energy, different types of thermodynamic process and its work done. Second law. KTG: real gas , ideal gas, Pressure of an ideal gas, law of equipartition of energy, specific heat capacity for different atomic molecule.	
January'27	Periodic Test-II				
January'27	21	UNIT-10	Mechanical Waves (oscillation + waves)	Periodic motion and oscillatory motion, SHM, simple pendulum, Transverse and longitudinal wave, progressive wave, standing waves and normal modes, organ pipe, beats.	Expt. 7A ,8A
February'27	20		Revision		
March'27	Annual Examination				

Name of the : NCERT Physics Vol. 1 ,2

Chemistry

Month	Working Days	Unit/Chapter Number	Topic/Chapter Name	Sub Topic	Practicals/ Activities
April'26	22	Unit- 1	SOME BASIC CONCEPTS OF CHEMISTRY	<ul style="list-style-type: none"> •Importance of chemistry •nature of matter •Properties of matter and their measurement •Uncertainty in measurement •Laws Of Chemical Combinations •Dalton's Atomic Theory •Atomic and Molecular Masses •Mole Concept and Molar Masses •Percentage Composition •Stoichiometry and Stoichiometric Calculation 	<ul style="list-style-type: none"> Basic Laborator Techniques •Measuring volumes of liquids •Weighing Technique



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May'26	18	UNIT-2	STRUCTURE OF ATOM	<ul style="list-style-type: none"> •Discovery of sub-atomic particles •Atomic models •Developments leading to the Bohr's Model of Atom. •Bohr's Model of Hydrogen Atom. •Towards Quantum Mechanical model of the Atom •Quantum Mechanical Model of Atom. 	Preparation of standard Solution of •Oxalic Acids •NaOH •KMnO ₄
June'26	06	UNIT-3	CLASSIFICATION OF ELEMENTS AND PERIODICITY IN PROPERTIES	<ul style="list-style-type: none"> •Why do we need to classify Elements? •Genesis of Periodic Classification. •Modern Periodic law and Present form of the Periodic Table. •Nomenclature Of Elements with Atomic Number > 100. 	Titrimetric Analysis
July'26	Periodic Test-I				
July'26	25	UNIT-3 UNIT-4	CLASSIFICATION OF ELEMENTS AND PERIODICITY IN PROPERTIES. CHEMICAL BONDING AND MOLECULAR STRUCTURE	<p>Electronic configuration of Elements and the Periodic Table Electronic configuration and types of elements-s, p, d, f Blocks. Periodic Trends in Properties of Elements.</p> <ul style="list-style-type: none"> •Kossel-Lewis Approach to Chemical Bonding. •Ionic or Electrovalent Bond. •Bond Parameters The Valence Shell Electron Repulsion (VSEPR) Theory. •Valence Bond Theory •Hybridisation •Molecular Orbital Theory •Bonding in some Homonuclear Diatomic Molecules. •Hydrogen Bonding 	Titrimetric Analysis Titrimetric Analysis Titrimetric Analysis
August'26	23	UNIT-5	THERMODYNAMICS	Thermodynamics Terms Applications Measurement of ΔU and ΔH calorimetry	Systematic Qualitative Analysis.

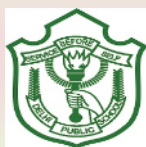


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				Enthalpy Change ΔH of a Reaction-Reaction Enthalpy Enthalpies for Different Types of Reaction Spontaneity Gibbs Energy Change and Equilibrium	Detection of a Cation and an anion
September '26	Half Yearly Examination				
September '26	23	UNIT-6	EQUILIBRIUM	Equilibrium in Physical Process Equilibrium in Chemical process-Dynamic Equilibrium Law of Chemical Equilibrium and Equilibrium constant.	Salt Analysis
October '26	17	PART2 UNIT-1	REDOX REATION	•Classical idea of Redox Reaction. Oxidation and Reduction Reaction Redox reaction in terms of electron transfer reaction Oxidation Number Redox Reaction and Electrode Process	SystematicQualitativeAnalysis.
November '26	19	UNIT-2	ORGANIC CHEMISTRY	Some basic principles and Techniques General Introduction Tetravalence of Carbon:-Shapes of Organic Compounds structural representation of Organic compounds. Classification of Organic Compounds. Nomenclature of organic compounds. Isomerism Fundamental Concepts in Organic Reaction Mechanism. Methods of purification of organic compounds. Qualitative Analysis of organic compounds Quantitative Analysis	SystematicQualitativeAnalysis. Detection of Cation and anion
December '26	20	UNIT-3	HYDROCARBONS	Classifications Alkanes Alkenes Alkynes	SystematicQualitativeAnalysis.
January '27	Periodic Test-II				
January '27	21	UNIT-3	HYDROCARBONS	AromaticHydrocarbons CatcinogenicityandToxicity	
Februar	20	UNIT-	REDOX REACTION	Revision	



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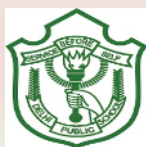


y'27	1 UNIT- 2 UNIT- 3 Part-1	ORGANIC CHEMISTRY HYDROCARBONS All Chapters	Revision Revision Revision	
March' 27	Annual Examination			

BOOKS USED :- 1) NCERT-TEXT BOOK FOR CLASS XI
 • CHEMISTRY PART-I(XI)
 • CHEMISTRY PART-II(XI)
 CHEMISTRY LABORATORY MANUAL(XI)

Biology

Month	Working Days	Unit/Chapter Number	Topic/Chapter Name	Sub Topic	Practicals/ Activities
April'26	22	CHAPTER-1 CHAPTER-2	CHAPTER-1 (THE LIVING WORLD), CHAPTER-2 (BIOLOGICAL CLASSIFICATION)	Diversity in the Living World 1.2 Taxonomic Categories Kingdom Monera 2.2 Kingdom Protista 2.3 Kingdom Fungi 2.4 Kingdom Plantae 2.5 Kingdom Animalia 2.6 Viruses, Viroids and Lichens	
May'26	18	CHAPTER-3 CHAPTER-4	CHAPTER-3 (PLANT KINGDOM), CHAPTER-4 (ANIMAL KINGDOM)	Algae 3.2 Bryophytes 3.3 Pteridophytes 3.4 Gymnosperms Basis of Classification 4.2 Classification of Animal	
June'26	06	CHAPTER-5	CHAPTER-5 (MORPHOLOGY OF FLOWERING PLANTS)	The Root 5.2 The Stem 5.3 The Leaf 5.4 The Inflorescence 5.5 The Flower 5.6 The Fruit 5.7 The Seed 5.8 Semi-technical Description of a Typical Flowering Plant 5.9 Description of Some Important Families	TOOBSERVE PLANT AND ANIMAL SPECIMENS
July'26	Periodic Test-I				
July'26	25	CHAPTER-6 CHAPTER-7 CHAPTER-8	CHAPTER-6 (ANATOMY OF FLOWERING PLANTS), CHAPTER-7 (STRUCTURAL ORGANISATION IN ANIMALS), CHAPTER-8 (CELL: THE UNIT OF LIFE)	The Tissue System 6.2 Anatomy of Dicotyledonous and Monocotyledonous Plants Organ and Organ System 7.2 Frog What is a Cell? 8.2 Cell Theory 8.3 An Overview of Cell 8.4 Prokaryotic Cells	TO OBSERVE PLANT AND ANIMAL SPECIMENS; T.S. OF DICOT STEM
August'26	23	CHAPTER-8 CHAPTER-9	CHAPTER-8 (CELL: THE UNIT OF LIFE)	8.5 Eukaryotic Cells 9.1 How to Analyse Chemical	POTATO OSMOMETER



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		CHAPTER-10	Contd., CHAPTER-9 (BIOMOLECULES), CHAPTER-10 (CELL CYCLE AND CELL DIVISION) AND REVISION	Composition? 9.2 Primary and Secondary Metabolites 9.3 Biomacromolecules 9.4 Proteins 9.5 Polysaccharides 9.6 Nucleic Acids 9.7 Structure of Proteins 9.8 Enzymes 10.1 Cell Cycle 10.2 M Phase 10.3 Significance of Mitosis 10.4 Meiosis 10.5 Significance of Meiosis	
September'26	Half Yearly Examination				
September'26	23	CHAPTER-11	HYE, CHAPTER-11 (PHOTOSYNTHESIS IN HIGHER PLANTS)	11.1 What do we Know? 11.2 Early Experiments 11.3 Where does Photosynthesis take place? 11.4 How many Pigments are involved in Photosynthesis? 11.5 What is Light Reaction? 11.6 The Electron Transport 11.7 Where are the ATP and NADPH Used? 11.8 The C4 Pathway	
October'26	17	CHAPTER-11 CHAPTER-12	CHAPTER-11 (PHOTOSYNTHESIS IN HIGHER PLANTS) Contd., CHAPTER-12 (RESPIRATION IN PLANTS)	11.9 Photorespiration 11.10 Factors affecting Photosynthesis 12.1 Do Plants Breathe? 12.2 Glycolysis 12.3 Fermentation 12.4 Aerobic Respiration 12.5 The Respiratory Balance Sheet 12.6 Amphibolic Pathway 12.7 Respiratory Quotient	PRESENCE OF STARCH IN FOOD SAMPLES
November'26	19	CHAPTER-13 CHAPTER-14 CHAPTER-15	CHAPTER-13 (PLANT GROWTH AND DEVELOPMENT), CHAPTER-14 (BREATHING AND EXCHANGE OF GASES), CHAPTER-15 (BODY FLUIDS AND CIRCULATION)	13.1 Growth 13.2 Differentiation, Dedifferentiation and Redifferentiation 13.3 Development 13.4 Plant Growth Regulators 14.1 Respiratory Organs 14.2 Mechanism of Breathing 14.3 Exchange of Gases 14.4 Transport of Gases 14.5 Regulation of Respiration 14.6 Disorders of Respiratory System 15.1 Blood 15.2 Lymph (Tissue Fluid)	
December'26	20	CHAPTER-15 CHAPTER-16 CHAPTER-17	CHAPTER-15 (BODY FLUIDS AND CIRCULATION) Contd., CHAPTER-16 (EXCRETORY PRODUCTS AND THEIR ELIMINATION), CHAPTER-17 (LOCOMOTION AND MOVEMENT),	15.3 Circulatory Pathways 15.4 Double Circulation 15.5 Regulation of Cardiac Activity 15.6 Disorders of Circulatory System 16.1 Human Excretory System 16.2 Urine Formation 16.3 Function of the Tubules 16.4 Mechanism of Concentration of the Filtrate 16.5 Regulation of Kidney Function 16.6 Micturition 16.7 Role of other Organs in Excretion 16.8 Disorders of the Excretory System 17.1 Types of Movement 17.2 Muscle 17.3 Skeletal System 17.4	HUMAN SKELETON



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				Joints	
January'27	Periodic Test-II				
January'27	21	CHAPTER-17 CHAPTER-18	CHAPTER-17 (LOCOMOTION AND MOVEMENT) Contd., CHAPTER-18 (NEURAL CONTROL AND COORDINATION)	17.5 Disorders of Muscular and Skeletal System 18.1 Neural System 18.2 Human Neural System 18.3 Neuron as Structural and Functional Unit of Neural System 18.4 Central Neural System	TEST FOR SUGAR
February'27	20	CHAPTER-19	CHAPTER-19 (CHEMICAL COORDINATION AND INTEGRATION) AND REVISION	19.1 Endocrine Glands and Hormones 19.2 Human Endocrine System 19.3 Hormones of Heart, Kidney and Gastrointestinal Tract 19.4 Mechanism of Hormone Action	
March'27	Annual Examination				

BOOK: NCERT BIOLOGY

Economics

Month	Working Days	Unit/ Chapter Number	Topic/Chapter Name	Sub Topic
April'26	22	Part A STATISTICS FOR ECONOMICS UNIT 1	INTRODUCTION	1. What is Economics? Meaning, scope, functions and importance of statistics in Economics.
		Part B INTRODUCTORY MICROECONOMICS UNIT 4	INTRODUCTION	2. Meaning of microeconomics and macroeconomics; positive and normative economics What is an economy? Central problems of an economy: what, how and for whom to Produce; concepts of Production Possibility Frontier and Opportunity Cost.
May'26	18	Part A STATISTICS FOR ECONOMICS UNIT 1	INTRODUCTION	1. What is Economics? Meaning, scope, functions and importance of statistics in Economics.
		Part B INTRODUCTORY MICROECONOMICS UNIT 4	INTRODUCTION	2. Meaning of microeconomics and macroeconomics; positive and normative economics What is an economy? Central problems of an economy: what, how and for whom to Produce; concepts of Production Possibility Frontier and Opportunity Cost.



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June'26	06	Part A STATISTICS FOR ECONOMICS Unit 2	Collection, Organisation and Presentation of data	3.Collection of data - sources of data - primary and secondary; how basic data is collected with concepts of Sampling; methods of collecting data; some important sources of secondary data: Census of India and National Sample Survey Organisation.
July'26	Periodic Test-I			
July'26	25	Part A STATISTICS FOR ECONOMICS Unit 2	Collection, Organisation and Presentation of data	3.Collection of data - sources of data - primary and secondary; how basic data is collected with concepts of Sampling; methods of collecting data; some important sources of secondary data: Census of India and National Sample Survey Organisation. 4. Organisation of Data: Meaning and types of variables; Frequency Distribution. 5. Presentation of Data: Tabular Presentation and Diagrammatic Presentation of Data: (i) Geometric forms (bar diagrams and pie diagrams), (ii) Frequency diagrams (histogram, polygon and Ogive) and (iii) Arithmetic line graphs (time series graph).
August'26	23	Part B INTRODUCTORY MICROECONOMICS Unit 5	Consumer's Equilibrium and Demand	5. Consumer's equilibrium - meaning of Utility, Marginal Utility, Law of Diminishing Marginal Utility, conditions of consumer's equilibrium using marginal utility analysis. 6. Indifference curve analysis of consumer's equilibrium-the consumer's budget (budget Set and budget line), preferences of the consumer (indifference curve, indifference Map) and conditions of consumer's equilibrium.
September'26	Half Yearly Examination			

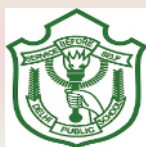


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September'26	23	Part B INTRODUCTORY MICROECONOMICS Unit 6	Producer Behaviour and Supply	<p>7. Meaning of Production Function – Short-Run and Long-Run</p> <p>Total Product, Average Product and Marginal Product>Returns to a Factor</p> <p>8. Cost – Short run costs - Total Cost, Total Fixed Cost, Total Variable Cost; Average Cost; Average Fixed Cost, Average Variable Cost and Marginal Cost - meaning and their relationships.</p> <p>9. Revenue – Total Revenue, Average Revenue and Marginal Revenue - meaning and their relationship.</p> <p>10. Producer's Equilibrium - meaning and its conditions in terms of Marginal Revenue-Marginal Cost.</p> <p>11. Supply, market supply, determinants of supply, supply schedule, supply curve and its slope, movements along and shifts in supply curve, price elasticity of supply; Measurement of price elasticity of supply - percentage-change method.</p>
October'26	17	Part B INTRODUCTORY MICROECONOMICS Unit 6	Producer Behaviour and Supply	<p>11. Supply, market supply, determinants of supply, supply schedule, supply curve and its slope, movements along and shifts in supply curve, price elasticity of supply;</p> <p>Measurement of price elasticity of supply – percentage-change method.</p>
		Part A STATISTICS FOR ECONOMICS Unit 3	Statistical Tools and Interpretation	12.Measures of Central Tendency-Arithmetic mean, Median and Mode
November'26	19	Part A STATISTICS FOR ECONOMICS Unit 3	Statistical Tools and Interpretation	<p>12.Measures of Central Tendency-Arithmetic mean, Median and Mode</p> <p>13.Correlation – meaning and properties, scatter diagram; measures of correlation - Karl Pearson's method (two variables ungrouped data) Spearman's rank correlation (Non-Repeated Ranks and Repeated Ranks).</p>



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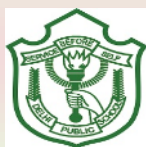
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December'26	20	Part A STATISTICS FOR ECONOMICS Unit 3		13. Correlation – meaning and properties, scatter diagram; measures of correlation - Karl Pearson's method (two variables ungrouped data) Spearman's rank correlation (Non-Repeated Ranks and Repeated Ranks). 14. Introduction to Index Numbers – meaning, types – Wholesale Price Index, Consumer Price Index and index of industrial production, uses of index numbers; Inflation and Index Numbers, Simple Aggregative Method.
January'27	Periodic Test-II			
January'27	21	Part B INTRODUCTORY MICROECONOMICS Unit 7	Perfect Competition – Price Determination and simple applications.	15. Perfect competition - Features; Determination of market equilibrium and effects of shifts in demand and supply. (Short Run Only) Simple Applications of Demand and Supply: Price ceiling, Price floor.
February'27	20	REVISION FOR ANNUAL EXAMINATION		
March'27	Annual Examination			
Prescribed Books	Statistics for Economics (NCERT)			
	Introductory Microeconomics (NCERT)			
	Statistics for Economics (Sandeep Garg)			
	Introductory Microeconomics (Sandeep Garg)			

Computer Science

Month	Working Days	Unit/Chapter Number	Topic/Chapter Name	Sub Topic	Practicals/ Activities
April'26	22				
May'26	18				
June'26	06	Chapter 1	Computer System Overview	Introduction, Organization, Input unit, Output unit, CPU, Memory. Bus System, Mobile System, Types of Software.	Computer Fundamentals.
July'26	Periodic Test-I				
July'26	25	Chapter 1	Computer System Overview	Bus System, Mobile System, Types of Software.	Python Programs
		Chapter 2	Data Representation	Introduction, Digital Number System, Number Conversions, Binary Addition, Character/String Representation.	
		Chapter 3	Boolean Logic	Introduction, Logic Operations, Basic Gates, Duality, Theorems of Boolean Algebra, DeMorgan's	



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		Chapter 5	Getting Started With Python	Theorem, More Logic gates , Logic Circuits Introduction, Python Pluses and Minuses, Working in Python, Understanding first program, Script	
August'26	23	Chapter 6	Python Fundamentals	Introduction, Character Set, Tokens, Variables and Assignments, Simple Inputs and Outputs.	Programs on input and Output, Operators and Expressions.
		Chapter 7	Data Handling	Introduction, Data Types, Mutable and Immutable Types, Operators and Expressions, Python Modules, Debugging.	
September'26	Half Yearly Examination				
September'26	23	Chapter 8	Python Modules	Module, Import types, Applications	Programs on Module
		Chapter 9	Flow of Control	Introduction, Type of statements, Range(), Looping Statements. Introduction, String Operators	Programs on Looping.
October'26	17	Chapter 10	String Manipulation	String Slices, String Functions and Methods.	Programs on String.
		Chapter 11	List Manipulation	Introduction, Accessing List, List Operations	Programs on List.
November'26	19	Chapter 11	List Manipulation	Making True Copy, List Functions, Nested List	Programs on List.
December'26	20	Chapter 12	Tuples	Introduction, Accessing Tuple, Tuple Operations. Tuple Functions, Nested Tuple	Programs on Tuple
January'27	Periodic Test-II				
January'27	21	Chapter 13	Dictionaries	Introduction, Accessing Dictionary, Dictionary Operations. Dictionary Functions.	Programs on Dictionaries
		Chapter 14	Cyber Safety	Introduction, Cyber Safety, Cybercrime, Computer Forensics, Cyber Law and IT Act.	
February'27	20	Revision & Annual Examination			
March'27	Annual Examination				

Book(s) Used: Computer Science With Python , Class XI by Sumita Arora



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Accountancy

Month	Working Days	Unit/Chapter Number	Topic/Chapter Name	Sub Topic
April'26	22	UNIT-1	Introduction to Accounting	Transactions-meaning features, types. Objective of accounting, accounting terminologies
			Theory Base of Accounting	Accounting Concepts and Principles
		UNIT-2	Recording of Business transactions	Accounting Equation
May'26	18	UNIT-2	Recording of Business transactions	Double entry system- Golden Rule, Debit & Credit, Classification of Journals
June'26	06	UNIT-2	Recording of Business transactions	Journalising (cont. along with GST), ledgerposting and balancing of accounts along with Source documents, Cash and Accrual basis of
July'26	PT1			
July'26	25	UNIT-2	Trial Balance	Trial Balance-Objectives, meaning and preparation
			Recording of Business transactions	Cash Book(single, double column) and Petty Cash Book Purchase and Sales Day
				Book; Purchase return and sales return Day Book (excluding B/R and B/P day book)
August'26	23	UNIT-3	Bank Reconciliation Statement	Bank Reconciliation Statement (excluding amended cashbook)-Need and Preparation
September'26	HY Examination			
September'26	23	UNIT-4	Depreciation, Provision and Reserves	Provision and Reserve; Capital and Revenue; Depreciation- Method, reason for Charging depreciation. Straight-line Method
October'26	17	UNIT-4	Depreciation, Provision and Reserves	Depreciation-Written down value method, provision for depreciation
				And Asset Disposal A/c



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November'26	19	UNIT-4	Rectification of errors	Rectification of errors – before and after preparation of Trial Balance and Preparation of suspense account
December'26	20	UNIT-5	Financial Statements	Accounting treatment of reserves and provisions and representation in financial statements
January'27	Periodic Test-II			
January'27	21	UNIT-5	Financial Statements	Preparation of Trading, Profit & Loss A/c and Balance Sheet without adjustments Preparation of Trading,
				Profit & Loss A/c and Balance Sheet with adjustments
February'27	20	UNIT-5	Financial Statements	Incomplete Records-1. Features, reasons and limitations 2. Ascertainment of Profit/Loss by
March'27	Annual Examination			
Reference books:	ACCOUNTANCY-NCERT ACCOUNTANCY-DKGOEL ACCOUNTANCY-TSGREWAL			



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Odissi Dance

Month	Working Days	Unit / Chapter Number	Topic / Chapter Name	Subject Topic	Practical / Activities
April'26	22	1	History of Indian Dance	Brief history of Indian classical dance.	Elementary steps: <u>Chauk</u> and <u>Tribhanga</u> (10 steps each).
May'26	18	2	Myths in Dance	Myths: <u>Kaliya Daman</u> and <u>Dashavatar</u> .	Steps set to <u>Ektali</u> in three speeds (<u>Ekgun</u> , <u>Dugun</u> , <u>Chaugun</u>).
June'26	06	2	Myths in Dance	Myths: <u>Vastra haran</u> and concept of Nataraja.	Practice of initial steps with rhythm.
July'26	25	2 & 3	Periodic Test-I Myths & Terms	Syllabus covered from April to June. <u>Draupadi Cheer haran</u> , <u>Neuni Chura</u> . Terms: <u>Nritta</u> , <u>Nritya</u> , <u>Natya</u> .	Evaluation of basic steps. Learning of one <u>Arasa</u> in <u>chaturasra Jaati</u> .
August'26	23	3	Definition of Terms	<u>Matra</u> , <u>Laya</u> , <u>Taal</u> , <u>Avartana</u> , <u>Vibhaga</u> , <u>Tandava</u> and <u>Lasya</u> .	Ability to recite <u>Sthayi Ukuta</u> of the <u>Arasa</u> with hands.
September'26	23	3 & 4	Half Yearly Exam Traditions & Repertoire	Syllabus covered from April to August. <u>Natyadharmi/Lokdharmi</u> , <u>Devadasi/Mahari</u> . Intro to 5 segments of Repertoire.	Half Yearly Practical Assessment. <u>Mangalacharan</u> : <u>Bhumi Pranam</u> and <u>Pushpanjali</u> .



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October'26	17	4	Basic Repertoire	<u>Mangalacharan, Batu, Pallavi, Abhinaya, Moksha.</u>	<u>Mangalacharan: Ishta Deva Vandanaa and Trikhandi Pranam.</u>
November'26	19	-	Hand Gestures	<u>Asamyuta Mudra from Abhinaya Darpana.</u>	Recitation of <u>Mangalacharan ukutas</u> with hands.
December'26	20	-	Review & Revision	Detailed study of the meaning of <u>Slokas in Mangalacharan.</u>	Full Demonstration of <u>Mangalacharan</u> item.
January'27	21	-	Periodic Test-II Revision	Syllabus covered from September to December. Revision of Theory Units 1 & 2.	Practice of all practical items. Identifying Raga and Tala of the items.
February'27	20	-	Final Revision	Revision of Theory Units 3 & 4.	Identification of <u>Hastas</u> used in <u>Mangalacharan.</u>
March'27	-	-	Annual Examination	Complete Theory Syllabus (30 Marks).	

Reference Book:

Students Guide to Odissi Dance

Author: Sneha Gupta * Publisher: B. R. Rhythms, Delhi

Edition 2024

Business Studies

Month	Working Days	Unit/Chapter Number	Topic/ChapterName	Sub Topic
April'26	22	UNIT-1	Evolution and Fundamentals of Business	<p>History of commerce in India, Concept and Characteristics</p> <p>Differentiation between Business, Profession and Employment, Objectives of Business (Economic and Social), Role of Profit</p> <p>Classification of Business Activity (Industry and Commerce), Business Risk - Meaning, nature and causes and written work.</p>



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		UNIT-2	Forms of Business Organisation	Sole Proprietorship and Joint Hindu Family Business
May'26	18	UNIT-2	Forms of Business Organisation	Partnership: Features, Types, Merits, Demerits and Types of partners, minor as a partner, LLP
June'26	06	UNIT-2	Forms of Business Organisation	Cooperative Societies- Features, Types, Merits and Demerits, Joint Stock Companies- Features, Merits and demerits. Starting a Business- basic factors, Formation of a Company
July'26	Periodic Test-II			
July'26	25	UNIT-3	Public, Private and Global Enterprises	Forms of Public Enterprises, Global Enterprises and Public private partnership. Differentiation between Public sector and private sector
		UNIT-4	Business Services	Banking- Types of bank account, banking services, RTGS, NEFT, core banking Insurance - Principles, Life Insurance, Health Insurance, Fire Insurance and Marine Insurance - Meaning and Differentiation. Postal and telecom services.
August'26	23	UNIT-5	Emerging Modes of Business	E- Business - Scope, Benefit, Resources required to implement, online transactions, Payment mechanism and Security and safety of business transaction, Outsourcing BPO and KPO
September'26	HY Exam			
September'26	23	UNIT-6	Social Responsibility and Business Ethics	Meaning, Definition and Need for Social Responsibility, Arguments For and Against Social Responsibility, Responsibility towards different interest groups
October'26	17	UNIT-7	Sources of Business Finance	Meaning and need for Business Finance, Sources of business finance ownership basis, Retained Earnings, Issue of equity shares, Preference shares. ADR, GDR, IDR, Borrowed Fund - Debenture and Bonds, Loans from Commercial Banks and Financial Institutions, Public Deposit, Trade Credit and ICD



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November'26	19	UNIT-8	Small Business Entrepreneurship	Entrepreneurship Development concept characteristics and need, Definition of Small-Scale Enterprise, Role of Small Business in India with special Reference to Rural Areas.
				Government Scheme and Agencies - NSIC and DIC with special reference to Rural, Backward and Hilly Area and written work
December'26	20	UNIT-9	Internal Trade	GST concept and key features, Services of a wholesaler, Services of Retailers, Types of Retail Trade - Itinerant retailers. Small Scale Fixed Shops, Large Scale Retailer - Departmental Stores Chain Stores and Mail- Order Houses GST-Concept and Key features
January'27	Periodic Test-II			
January'27	21	UNIT-10	International Trade	Meaning, Characteristics of International Trade, Difference between Internal and International Trade, Advantages and Disadvantages of International Trade
February'27	20	UNIT-10	International Trade	Export Procedure with all documents and Import Procedure with all documents. WTO, its Meaning and objectives
March'27	Annual Examination			

Reference books:

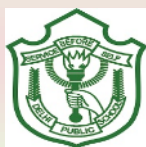
BUSINESSSTUDIES-NCERT

BUSINESSSTUDIES-SANDEEPGARG

BUSINESSSTUDIES-POONAMGANDHI

Entrepreneurship

Month	Working Days	Unit/ Chapter Number	Topic/Chapter Name	Sub Topic
April'26	22	Entrepreneurship: Unit 1	Concept and Functions	1. Concepts, Functions and Needs 2. Why entrepreneurship for you 3. Myths about Entrepreneurship
May'26	18	Entrepreneurship: Unit 1	Concept and Functions	1. Concepts, Functions and Needs 2. Why entrepreneurship for you 3. Myths about Entrepreneurship
June'26	06	Entrepreneurship: Unit 1	Concept and Functions	4. Advantages and Limitations of entrepreneurship 5. Process of entrepreneurship 6. Entrepreneurship- the Indian scenario
Periodic Test-I				
July'26	25	Entrepreneurship: Unit 4	Entrepreneurship as Innovation and Problem Solving	1. Entrepreneurs as problem solvers 2. Innovations and Entrepreneurial ventures-Global and Indian.
		Entrepreneurship: Unit 2	An Entrepreneur	1. Why be an entrepreneur 2. Types of entrepreneurs



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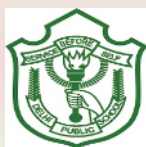
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August'26	23	Entrepreneurship: Unit 4	Entrepreneurship as Innovation and Problem Solving	3. Role of Technology-E-Commerce and Social media 4.Social Entrepreneurship-Concept
		Entrepreneurship: Unit 2	An Entrepreneur	3. Competencies and Characteristics
Half Yearly Examination				
September'26	23	Entrepreneurship: Unit 2	An Entrepreneur	4. Entrepreneurial values, Attitudes and Motivation 5. Intrapreneur: Meaning and Importance
		Entrepreneurship: Unit 5	Understanding the Market	1. Market: Concept 2. Micro and Macro Market Environment
October'26	17	Entrepreneurship: Unit 3	Entrepreneurial Journey	1. Generation of ideas 2. Feasibility study and opportunity assessment
		Entrepreneurship: Unit 5	Understanding the Market	3. Market Research-Concept , Importance and Process 4. Marketing Mix
November'26	19	Entrepreneurship: Unit 3	Entrepreneurial Journey	3.Business plan: meaning, purpose and elements 4. Execution of Business Plan
		Entrepreneurship: Unit 6	Business Finance and Arithmetic	1. Unit of sale, Unit price and Unit cost- for single product or service.
December'26	20	Entrepreneurship: Unit 6	Business Finance and Arithmetic	2. Types of Cost-Start Up, Variable and Fixed 3. Break Even analysis- for single product or service
		Entrepreneurship: Unit 7	Resource Mobilization	1. Types of resources- Physical, Human, Financial and Intangible
Periodic Test-II				
January'27	21	Entrepreneurship: Unit 7	Resource Mobilization	2. Selection and utilization of human resources and professionals like Accountants, Lawyers, Auditors, Board members, etc.
February'27	20	REVISION FOR ANNUAL EXAMINATION		
March'27	Annual Examination			
	Entrepreneurship – NCERT			
	Entrepreneurship – Poonam Gandhi			

Physical Education

Month	Working Days	Unit/ Chapter Number	Topic/Chapter Name	Sub Topic	Practicals/ Activities
April'26	22	1 & 2	Changing Trends and Careers in Physical Education Olympism Value Education	Aim and Objective of Physical Education Playing Surface Wearable Gears and Sports	Yoga/ Indoor Games



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				Equipments Ancient and Modern Olympics	
May'26	18	2 & 3	Olympism Value Education Yoga	Motto, Flag and Symbol of Olympics Meaning and Importance of Yoga	Yoga/ Indoor Games
June'26	06	3	Yoga	Introduction of Ashtanga Yoga	Yoga/ Indoor Games
July'26	Periodic Test-I				
July'26	25	4	Physical Education and Sports for Children with Special Needs Practical	Concept of disability and disorder Types of disability	Football/ Basketball
August'26	23	5	Physical Fitness, Wellness, Lifestyle	Meaning and Importance of Health and Physical Fitness	Football/ Kho- Kho
September'26	Half Yearly Examination				
September'26	23	6	Test, Measurement and Evaluation	Concept of Test, Measurement and Evaluation in Physical Education and Sports	Basketball/Kho- Kho
October'26	17	7	Fundamentals of Anatomy, Physiology in Sports	Definition and Importance of Anatomy and Physiology Function of skeletal system	Cricket
November'26	19	8	Fundamentals of Kinesiology and Biomechanics	Definition and Importance of Kinesiology and Biomechanics	Cricket
December'26	20	9	Psychology and Sports	Adolescence Problems and their Management	Athletics
January'27	Periodic Test-II				
January'27	21	10	Training and Doping in Sports	Training Load, Overload, Adaptation and Recovery	Cricket
February'27	20	1-10	Revision Practical	Revision and Practical	Cricket
March'27	Annual Examination				

BOOK: Physical Education, Class XI, Full Marks Publication
TERM-I