

GURU GOBIND SINGH PUBLIC SCHOOL

SPLIT UP OF SYLLABUS [SESSION 2024 – 25]

Class: XI

Subject: English – Core

Prescribed Books :

1. **Hornbill:** English Reader published by National Council of Education Research and Training, New Delhi
2. **Snapshot:** Supplementary Reader published by National Council of Education Research and Training, New Delhi.

Hornbill:

<p><u>Prose:</u></p> <ol style="list-style-type: none"> 1. The Portrait of a Lady 2. We're Not Afraid to Die... If we can be together 3. Discovering Tut: the Saga Continues 4. The Adventure 5. Silk Road 	<p><u>Poetry:</u></p> <ol style="list-style-type: none"> 1. A Photograph 2. The Laburnum Top 3. The Voice of the Rain 4. Childhood 5. Father to Son
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Snapshot:

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| <ol style="list-style-type: none"> 1. The Summer of the Beautiful White Horse 2. The Address 3. Mother's Day (Play) 4. Birth 5. The Tale of the Melon City |
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Month	No. of Working Days	Chapters to be covered	Test/Sem.
JUNE	09	Hornbill – The Portrait of a Lady; Poetry – A Photograph; Writing – Speech Writing; Grammar – Tenses;	Periodic Test
JULY	22	Hornbill – We're Not Afraid to Die... If we can be together; Poetry – The Laburnum Top; Snapshot – The Summer of the Beautiful White Horse; Writing – Classified Advertisement; Poster Grammar – Clauses; Reordering/ Transformation of sentences;	Periodic Test
AUGUST	19	Hornbill – Discovering Tut: the Saga Continues ; POETRY - The Voice of the Rain; Snapshot – The Address; Writing – Debate Writing; Grammar: Gap filling exercises; Reading – Notes Making ; Summary;	
SEPTEMBER	08	Revision and Half Yearly Examination;	Periodic Test &H.Y. Exam
OCTOBER	15	Hornbill – The Adventure; Poetry – Childhood; WRITING - Revision of Debate Writing Grammar – Gap filling exercises on Tenses, Clauses (Revision) ;	
NOVEMBER	12	Hornbill - Silk Road; Poetry - Father to Son; WRITING -REVISION of Speech Writing	Periodic Test
DECEMBER	19	Snapshot – Mother's Day ; Reading – Notes- making and Summary(Revision) ; Grammar – Reordering/ Transformation of sentences;	
JANUARY	17	Snapshot – Birth; The Tale of the Melon City; Grammar – Gap filling exercises on Tenses, Clauses (Revision) ; WRITING - Revision of Advertisement; Poster;	Periodic Test
FEBRUARY	10	Revision & Annual Examination	

Class –XI HINDI
Syllabus (2024 – 2025)

Month's Name	No. of working days	Chapter No./ Title	Project/ Assignment
पुस्तकों के नाम-- (1) आरोह भाग 1, (2) वितान भाग 1, (3) अभिव्यक्ति माध्यम पाठ्यक्रम का मासिक विभाजन---			
जून	09	पत्र लेखन, अपठित गद्यांश, अपठित पद्यांश	
जुलाई	22	गद्य पाठ - मियां नसीरुद्दीन पद्य पाठ - हम तो एक-एक करि जाना वितान - पाठ 1. भारतीय गायिकाओं में बेजोड़- लता मंगेशकर डायरी लेखन, पत्र लेखन	
अगस्त.	19	गद्य पाठ - विदाई संभाषण पद्य पाठ - मेरे तो गिरधर गोपाल, घर की याद वितान- पाठ 2. राजस्थान की रजत बुंदे जनसंचार माध्यम, रचनात्मक लेखन	परियोजना कार्य
सितंबर	19	गद्यपाठ - पुनरावृत्ति कार्य पद्य और वितान - पुनरावृत्ति कार्य अपठित पद्यांश	
अर्धवार्षिक परीक्षा			
अक्टूबर	15	गद्य पाठ - गलता लोहा पद्य पाठ - चंपा काले काले अक्षर नहीं चिन्हती वितान - पाठ 3. आलो - आंधारि डायरी लेखन, शब्दकोश	
नवंबर	17	गद्य पाठ - रजनी पद्य पाठ - गजल वितान - आलो - आंधारि समाचार लेखन, स्ववृत्त लेखन	परियोजना कार्य
दिसंबर	15	गद्य पाठ - जामुन का पेड़ पद्य पाठ - हे भूख ! मत मचल हे मेरे जूही के फूल जैसे ईश्वर वितान - आलो - आंधारि कथा-पटकथा, पत्र लेखन	
जनवरी	17	गद्य पाठ - भारत माता पद्य पाठ - आओ मिलकर बचाएं वितान - पुनरावृत्ति कार्य, शब्दकोश, रचनात्मक लेखन	
फरवरी	10	पुनरावृत्ति कार्य वार्षिक परीक्षा नोट - पूरे वर्ष का पाठ्यक्रम वार्षिक परीक्षा में सम्मिलित है।	

गुरु गोबिन्द सिंह पब्लिक स्कूल
संस्कृत पाठ्यक्रम 2024-2025
कक्षा-एकादश

निर्धारित पुस्तकानि :- पाठ्यपुस्तकानि

पुस्तकों के नाम : (क) भास्वती-प्रथमो भागः-(पाठ्यपुस्तकम्)- रा० शै० अनु० प्र० परि० द्वारा प्रकाशितम्।
(ख) व्याकरण सौरभम् (संशोधित संस्करणम्)-रा० शै० अनु० प्र० परि० द्वारा प्रकाशितम्।
रचनानुवाद कौमुदी (सहायक पुस्तकम्) - कपिलदेव द्विवेदी लिखितम् विश्वविद्यालय प्रकाशन, वाराणसी।
संस्कृत साहित्यपरिचयः (सन्दर्भ पुस्तकम्) (संशोधित संस्करणम्)-रा०शै०अनु०प्र०परि० द्वारा प्रकाशितम्। वेद परिजात (अतिरिक्त अध्ययनार्थम्)- रा० शै० अनु० प्र० परि० द्वारा प्रकाशितम्।

पाठ्यक्रम का मासिक विभाजन-

मासिक कार्यदिवसाः

जून	(18)	पाठ्यपुस्तकात् व्याकरणात्	: (1) कुशल प्रशासनम् सरलार्थम्, पाठाभ्यासकार्यम्। : सन्धि-स्वरसन्धि-दीर्घ, गुण, वृद्धि, यण, अयादि। अपठित गद्यांशात् अभ्यासकार्यम्। पत्रलेखनम् अभ्यास कार्यम् लघुकथां सम्पूरयत अभ्यासकार्यम्। संवादे एकपक्षपूरणम्।
जुलाई	(22)	पाठ्यपुस्तकात् व्याकरणात्	: (3) 'सुक्ति सूधा' सरलार्थम् पाठाभ्यासकार्यम्। : सन्धि-व्यंजनं सन्धि-श्चुत्व, ष्टुत्वम्, जशत्व, णत्वविद्यान, अनुस्वार, परसवर्ण। विसर्गसन्धि-उत्त्व, रूत्व, लोपः, सत्व। कारक-उपदविभक्तिनां वाक्याप्रयोगाः। सरलवाक्यानां संस्कृत भाषायां अनुवादः। एकसंख्यातः पंचसंख्यापर्यन्तम् त्रिषु लिंगेषु संख्यानां वाक्यप्रयोगः। वाच्य परिवर्तनम्-(लटलकारे)
अगस्त	(19)	पाठ्यपुस्तकात् व्याकरणात्	: (5) वीरः सर्वदमनः। (6) "शुकशावकोदन्तः"। अशुद्धि संशोधनम् (लिंग विभक्ति वचनं) : प्रत्ययः - क्त्वा, ल्यप्, तुमुन्, क्त, क्तवत्, तव्यत्, अनीयर् (नियमाः वाक्यप्रयोगाः च)। शब्दरूपाणि-बालक, फल, रमा, कवि, मति, नदी, मातृ, पितृ इत्यादि। धातुरूपाणि-परस्पमयीपदी-पंचलकारेषु। आत्मनेपदी-केवलं लट् लृटलकारे। सर्वनाम शब्दरूप-सर्व, यत्, तत्, किम्, इदम् (त्रिषु लिंगेषु), अस्मद्, युष्मद्। हलन्त शब्दरूप-राजन्, गच्छन्, भवत्, आत्मन्, विद्वस्, वाच्।
सितम्बर	(08)	संस्कृत साहित्य परिचयः पुनरावृत्तिकार्यम्	- संस्कृत साहित्य परिचयेन वस्तुनिष्ठ, अतिलघुतर प्रश्नाः। प्रश्न-वेद उपनिषद्, पुराण, स्मृतिग्रन्थ, रामायणं, महाभारतं, गद्यकाव्यम्, पद्यकाव्यम्, चम्पूकाव्यम्, विशेषताः (पंचवाक्येषु)। नाटकस्य प्रमुख तत्वानां प्रदत्तपरिभाषासु शुद्धपरिभाषाचयनम्। : पत्रलेखनाभ्यासम्, लघुकथां सम्पूरयत, पाठ्यपुस्तक अभ्यास कार्यम्। भावार्थत्रये शुद्धभावार्थचयनम्। अन्वयेषु रिक्तस्थानानि पूरयत। प्रसङ्गानुसारं अर्थलेखनम्। वाक्यांशानां सार्थकं संयोजनम्। अर्द्धवार्षिकी परीक्षायाः शुभारम्भः।
अक्टूबर	(15)	पाठ्यपुस्तकात् व्याकरणात्	: 'वाच्यम्' परिभाषा - सामान्यवाच्यपरिवर्तनम् (लटलकारे केवलम्) अशुद्धि संशोधनम् (लिंग-वचन-पुरुष-विभक्ति कालाधारिम्)
नवम्बर	(12)	पाठ्यपुस्तकात् व्याकरणात्	: (8) संगीतानुरागी सब्बणः" सरलार्थम् पाठ्याभ्यास कार्यम्। (9) "वस्त्रविक्रयः" सरलार्थम्, पाठ्याभ्यासकार्यम्। : उचित विभक्तिपदैः रिक्तस्थानानि पूरयत। उचित शब्दरूपैः, धातुरूपैः च रिक्तस्थानानि पूरयत। पाठ्याधारितम् अभ्यास कार्यम्।

- दिसम्बर (19) पाठ्यपुस्तकात् : (10) "यदभूतहितं तत्सत्यम्" ।
(11) स मे प्रियः पाठस्य सरलार्थम् पाठ्याभ्यासकार्यम् ।
संस्कृत-साहित्य परिचयः गद्यकाव्यस्य, पद्यकाव्यस्य, चम्पूकाव्यस्य, विशेषताः पंचवाक्येशु
लिखत । रामायणम् । महाभारतम् । पुराणानि आधारिताः प्रश्नाः ।
पाठ्यपुस्तकात् : श्लोकानां भावार्थलेखनम् । प्रदत्ते भावार्थत्रये शुद्धभावार्थचयनम् ।
अन्वयेषु रिक्तस्थानपूर्तिः ।
- जनवरी (17) सम्पूर्णपाठास्याधारितम् अभ्यासकार्यम् । पाठाधारितं व्याकरणस्य
अभ्यासकार्यम् । रचनात्मकं कार्यस्य अभ्यासकार्यम् । प्रश्नपत्रात्
भिन्नं पाठ्यपुस्तकस्य श्लोकमेकं लिखित्वा भावार्थलेखनम् ।
प्रदत्तवाक्यांशानां सार्थक संयोजनम् । प्रदत्तपंक्तिषु प्रसंगानुसार पदानां अर्थ लेखनम्
अभ्यास कार्यम् ।
- फरवरी (10) संस्कृत-साहित्य परिचयस्य पुनरावृत्तिकार्यम् ।
सम्पूर्ण पाठ्यक्रमस्य द्रुतगत्या पुनरावृत्ति कार्यम् ।

वार्षिकी परीक्षायाः शुभारम्भः



Sector-V/B, B.S.CITY

SUBJECT : MATHEMATICS (SYLLABUS)

CLASS :11 (2024-2025)

MAX.MARKS: 80

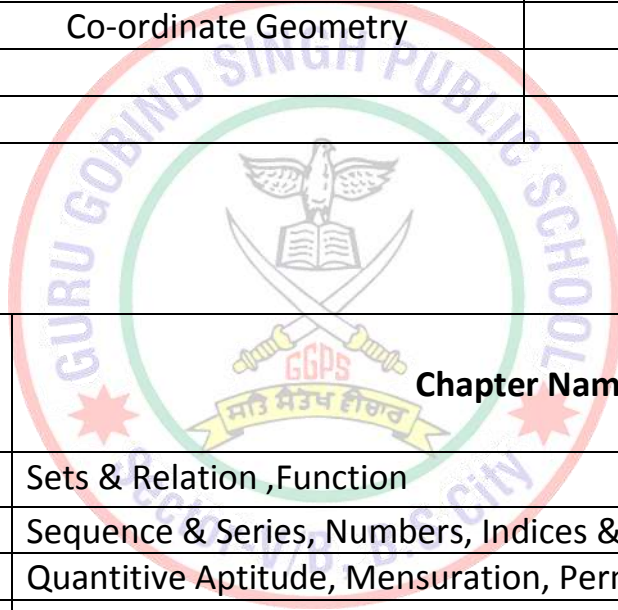
MONTH	WORKING DAYS	CHAPTER/TOPIC	CONTENT/ SUB TOPIC IN DETAIL	EXPERIMENT/PROJECT/ACTIVITY
June	09	Sets	Sets and their representations. Empty set. Finite and Infinite sets. Equal sets. Subsets. Subsets of a set of real numbers especially intervals (with notations). Power set. Universal set. Venn diagrams. Union and Intersection of sets. Difference of sets. Complement of a set. Properties of Complement Sets.	
July	22	Relations & Functions	Ordered pairs, Cartesian product of sets. Number of elements in the Cartesian product of two finite sets. Cartesian product of the sets of real with itself (upto $R \times R \times R$). Definition of relation, pictorial diagrams, domain, co-domain and range of a relation. Function; Function as a special kind of relation from one set to another. Pictorial representation of a function, domain, co-domain and range of a function. Real valued functions, domain and range of these functions: constant, identity, polynomial, rational, modulus, signum, exponential, logarithmic and greatest integer functions, with their graphs. Sum, difference, product and quotients of functions.	Activity -6
		Trigonometric Functions	Positive and negative angles. Measuring angles in radians and in degrees and conversion of one into other. Definition of trigonometric functions with the help of unit circle. Truth of the $\sin^2x + \cos^2x = 1$, for all x . Signs of trigonometric functions. Domain and range of trigonometric functions and their graphs. Expressing $\sin(x \pm y)$ and $\cos(x \pm y)$ in terms of $\sin x$, $\sin y$, $\cos x$ & $\cos y$ and their simple application. Deducing identities like the following: Identities related to $\sin 2x$, $\cos 2x$, $\tan 2x$, $\sin 3x$, $\cos 3x$ and $\tan 3x$	
August	19	Complex Numbers and Quadratic Equations	Need for complex numbers, especially $\sqrt{-1}$, to be motivated by inability to solve some of the quadratic equations. Algebraic properties of complex numbers. Argand plane	Activity -12
		Linear Inequations	Algebraic solutions of linear inequalities in one variable and their representation on the number line.	
		Sequence and Series	Geometric Progression (G.P.), general term of a G.P, sum of n terms of a G.P, infinite G.P. and its sum, geometric mean (G.M.), relation between A.M. and G.M.	
SEPTEMBER	08	Revision & Half Yearly Examination		
OCTOBER	15	Permutations and Combinations	Fundamental principle of counting. Factorial n . ($n!$) Permutations and combinations, derivation of formulae nPr and nCr and their connections, simple applications.	

		Binomial Theorem	History, statement and proof of the binomial theorem for positive integral indices. Pascal's triangle. General and middle term in binomial expansion, simple applications.	Activity -14
NOVEMBER	12	Limits and Derivatives	Limits and Derivatives. Derivative introduced as rate of change both as that of distance function and geometrically. Intuitive idea of limit. Limits of polynomials and rational functions, trigonometric, exponential and logarithmic functions. Definition of derivative, relate it to slope of tangent of a curve, derivative of sum, difference, product and quotient of functions. The derivative of polynomial and trigonometric functions.	Activity -29
		Coordinate Geometry Straight Lines	Brief recall of two dimensional geometry from earlier classes. Shifting of origin. Slope of a line and angle between two lines. Various forms of equations of a line: parallel to axis, point-slope form, slope-intercept form, two-point form, intercept form and normal form. General equation of a line. Equation of family of lines passing through the point of intersection of two lines. Distance of a point from a line.	
DECEMBER	19	Conic Sections of a cone:	Circles: Standard equation of a circle ellipse, parabola, hyperbola; a point, a straight line and a pair of intersecting lines as a degenerated case of a conic section. Standard equations and simple properties of parabola, ellipse and hyperbola.	Activity -32
JANUARY	17	Introduction to Three-dimensional Geometry	Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points and section formula.	Activity - 32
		Probability	Random experiments; outcomes, sample spaces (set representation). Events; occurrence of events, 'not', 'and' and 'or' events, exhaustive events, mutually exclusive events, Axiomatic (set theoretic) probability, connections with the theories of earlier classes. Probability of an event, probability of 'not', 'and' and 'or' events.	
		Statistics	Measures of dispersion; Range, mean deviation, variance and standard deviation of ungrouped/ grouped data. Comprehensive Revision for annual examination.	
FEBRUARY	10	REVISION & Annual Examination		

APPLIED MATHEMATICS

(Session 2024-25)

No. Of Periods	Chapter Name	Marks
25	Numbers Quantification & Numerical Application	09
45	Algebra	15
15	Mathematical Reasoning	06
35	Calculus	10
25	Probability	08
35	Descriptive Statistics	12
45	Basic of Financial Maths	15
15	Co-ordinate Geometry	05
Total		Total
240		80



Month	No of working Days	Chapter Name
June	09	Sets & Relation ,Function
July	20	Sequence & Series, Numbers, Indices & Log
August	21	Quantitive Aptitude, Mensuration, Permutation & Combination
Sep	09	Logical Reasoning, Limit & Continuty. (Half Yearly Exam)
Oct.	17	Differentition ,Probability
Nov	13	Descriptive & Statistics, Compound Interest &
Dec	15	Annuity, Straight line Circle
Jan	18	Parabola, Taxation, Utility
Feb.	11	Final Exam & Revision

Subject: Physics (11th)

Syllabus (2024-25)

UNIT NO.	TITLE	No. of Periods
Unit - I	Chapter – 1: Basic Mathematical Tools	8
	Chapter – 2: Units and Measurements	
Unit - II	Kinematics	24
	Chapter – 3: Motion in a Straight Line	
	Chapter – 4: Motion in a Plane	
Unit – III	Laws of Motion	14
	Chapter – 5: Laws of Motion	
Unit - IV	Work, Energy and Power	14
	Chapter – 6: Work, Energy and Power	
Unit - V	Motion of System of Particles and Rigid body	18
	Chapter – 7: System of Particles and Rotational Motion	
Unit - VI	Gravitation	12
	Chapter – 8: Gravitation	
Unit - VII	Properties of Bulk Matter	24
	Chapter – 9: Mechanical Properties of Solids	
	Chapter – 10: Mechanical Properties of Fluids	
	Chapter – 11: Thermal Properties of Matter	
Unit - VIII	Thermodynamics	12
	Chapter – 12: Thermodynamics	
Unit- IX	Behaviour of Perfect Gases and Kinetic Theory of Gases	08
	Chapter – 13: Kinetic Theory	
Unit - X	Oscillations and Waves	26
	Chapter – 14: Oscillations	
	Chapter – 15: Waves	
	Total	160

Monthly Syllabus Break-up (2021-22)

Month	No. of Working Days	Chapters to be Covered	Content in Details
June	09	Chapter – 1: Basic Mathematical Tools	
		Chapter-2: Units & Measurement	Need for measurement: Units of measurement; systems of units; SI units, fundamental and derived units. significant figures. Dimensions of physical quantities, dimensional analysis and its applications.
July	22	Unit – II Kinematics	
		Chapter-3: Motion in a straight Line	Frame of reference, Motion in a straight line, Elementary concepts of differentiation and integration for describing motion, uniform and non- uniform motion, and instantaneous velocity, uniformly accelerated motion, velocity - time and position-time graphs. Relations for uniformly accelerated motion (graphical treatment).

August	19	Chapter-4: Motion in a Plane	Scalar and vector quantities; position and displacement vectors, general vectors and their notations; equality of vectors, multiplication of vectors by a real number; addition and subtraction of vectors, Unit vector; resolution of a vector in a plane, rectangular components, Scalar and Vector product of vectors. Motion in a plane, cases of uniform velocity and uniform acceleration projectile motion, uniform circular motion.
August	08	Unit – III Laws of Motion	
		Chapter – 5: Laws of Motion	Intuitive concept of force, Inertia, Newton's first law of motion; momentum and Newton's second law of motion; impulse; Newton's third law of motion. Law of conservation of linear momentum and its applications. Equilibrium of concurrent forces, Static and kinetic friction, laws of friction, rolling friction, lubrication. Dynamics of uniform circular motion: Centripetal force, examples of circular motion (vehicle on a level circular road, vehicle on a banked road).
September	08	Unit – IV Work, Energy and Power	
		Chapter – 6: Work, Energy and Power	Work done by a constant force and a variable force; kinetic energy, work energy theorem, power. Notion of potential energy, potential energy of a spring, conservative forces: non- conservative forces, motion in a vertical circle; elastic and inelastic collisions in one and two dimensions.
October	15	Unit – V Motion of System of Particles and Rigid Body	
		Chapter-7: System of Particles and Rotational Motion	Centre of mass of a two-particle system, momentum conservation and Centre of mass motion. Centre of mass of a rigid body; centre of mass of a uniform rod. Moment of a force, torque, angular momentum, law of conservation of angular momentum and its applications. Equilibrium of rigid bodies, rigid body rotation and equations of rotational motion, comparison of linear and rotational motions. Moment of inertia, radius of gyration, values of moments of inertia for simple geometrical objects (no derivation).
November	12	Unit – VI: Gravitation	
		Chapter-8: Gravitation	Kepler's laws of planetary motion, universal law of gravitation. Acceleration due to gravity and its variation with altitude and depth. Gravitational potential energy and gravitational potential, escape velocity, orbital velocity of a satellite.

		Unit – VII: Properties of Bulk Matter	
		Chapter-9: Mechanical Properties of Solids	Elasticity, Stress-strain relationship, Hooke's law, Young's modulus, bulk modulus, shear modulus of rigidity (qualitative idea only), Poisson's ratio; elastic energy.
December	19	Chapter-10: Mechanical Properties of Fluids	Pressure due to a fluid column; Pascal's law and its applications (hydraulic lift and hydraulic brakes), effect of gravity on fluid pressure. Viscosity, Stokes' law, terminal velocity, streamline and turbulent flow, critical velocity, Bernoulli's theorem and its simple applications. Surface energy and surface tension, angle of contact, excess of pressure across a curved surface, application of surface tension ideas to drops, bubbles and capillary rise.
December	19	Chapter-11: Thermal Properties of Matter	Heat, temperature, thermal expansion; thermal expansion of solids, liquids and gases, anomalous expansion of water; specific heat capacity; C_p , C_v - calorimetry; change of state - latent heat capacity. Heat transfer-conduction, convection and radiation, thermal conductivity, qualitative ideas of Blackbody radiation, Wein's displacement Law, Stefan's law.
		Unit – VIII: Thermodynamics	
December		Chapter-12: Thermodynamics	Thermal equilibrium and definition of temperature zeroth law of thermodynamics, heat, work and internal energy. First law of thermodynamics, Second law of thermodynamics: gaseous state of matter, change of condition of gaseous state -isothermal, adiabatic, reversible, irreversible, and cyclic processes.
		Unit – IX: Behaviour of Perfect Gases and Kinetic Theory of Gases	
January	17	Chapter-13: Kinetic Theory	Equation of state of a perfect gas, work done in compressing a gas. Kinetic theory of gases - assumptions, concept of pressure. Kinetic interpretation of temperature; rms speed of gas molecules; degrees of freedom, law of equi-partition of energy (statement only) and application to specific heat capacities of gases; concept of mean free path, Avogadro's number.
		Unit – X: Oscillations and Waves	
January		Chapter-14: Oscillations	Periodic motion - time period, frequency, displacement as a function of time, periodic functions and their application. Simple harmonic motion (S.H.M) and its equations of motion; phase; oscillations of a loaded spring- restoring force and force constant; energy in S.H.M. Kinetic and potential energies; simple pendulum derivation of expression for its time period.
January		Chapter-15: Waves	Wave motion: Transverse and longitudinal waves, speed of travelling wave, displacement relation for a progressive wave, principle of superposition of waves, reflection of waves, standing waves in strings and organ pipes, fundamental mode and harmonics, Beats.
February	10		REVISION AND ANNUAL EXAM

CONTENT DETAILS

Chapter – 1: Basic Mathematical Tools

Chapter–2: Units and Measurements

Need for measurement: Units of measurement; systems of units; SI units, fundamental and derived units. significant figures. Dimensions of physical quantities, dimensional analysis and its applications.

Unit II: Kinematics

Chapter–3: Motion in a Straight Line

Frame of reference, Motion in a straight line, Elementary concepts of differentiation and integration for describing motion, uniform and non- uniform motion, and instantaneous velocity, uniformly accelerated motion, velocity - time and position-time graphs. Relations for uniformly accelerated motion (graphical treatment).

Chapter–4: Motion in a Plane

Scalar and vector quantities; position and displacement vectors, general vectors and their notations; equality of vectors, multiplication of vectors by a real number; addition and subtraction of vectors, Unit vector; resolution of a vector in a plane, rectangular components, Scalar and Vector product of vectors. Motion in a plane, cases of uniform velocity and uniform acceleration projectile motion, uniform circular motion.

Unit III: Laws of Motion

Chapter–5: Laws of Motion

Intuitive concept of force, Inertia, Newton's first law of motion; momentum and Newton's second law of motion; impulse; Newton's third law of motion. Law of conservation of linear momentum and its applications. Equilibrium of concurrent forces, Static and kinetic friction, laws of friction, rolling friction, lubrication.

Dynamics of uniform circular motion: Centripetal force, examples of circular motion (vehicle on a level circular road, vehicle on a banked road).

Unit IV: Work, Energy and Power

Chapter–6: Work, Energy and Power

Work done by a constant force and a variable force; kinetic energy, work energy theorem, power. Notion of potential energy, potential energy of a spring, conservative forces: non- conservative forces, motion in a vertical circle; elastic and inelastic collisions in one and two dimensions.

Unit V: Motion of System of Particles and Rigid Body

Chapter–7: System of Particles and Rotational Motion

Centre of mass of a two-particle system, momentum conservation and Centre of mass motion. Centre of mass of a rigid body; centre of mass of a uniform rod. Moment of a force, torque, angular momentum, law of conservation of angular momentum and its applications. Equilibrium of rigid bodies, rigid body rotation and equations of rotational motion, comparison of linear and rotational motions. Moment of inertia, radius of gyration, values of moments of inertia for simple geometrical objects (no derivation).

Unit VI: Gravitation

Chapter–8: Gravitation

Kepler's laws of planetary motion, universal law of gravitation. Acceleration due to gravity and its variation with altitude and depth. Gravitational potential energy and gravitational potential, escape velocity, orbital velocity of a satellite.

Unit VII: Properties of Bulk Matter

Chapter–9: Mechanical Properties of Solids

Elasticity, Stress-strain relationship, Hooke's law, Young's modulus, bulk modulus, shear modulus of rigidity (qualitative idea only), Poisson's ratio; elastic energy.

Chapter-10: Mechanical Properties of Fluids

Pressure due to a fluid column; Pascal's law and its applications (hydraulic lift and hydraulic brakes), effect of gravity on fluid pressure. Viscosity, Stokes' law, terminal velocity, streamline and turbulent flow, critical velocity, Bernoulli's theorem and its simple applications. Surface energy and surface tension, angle of contact, excess of pressure across a curved surface, application of surface tension ideas to drops, bubbles and capillary rise.

Chapter-11: Thermal Properties of Matter

Heat, temperature, thermal expansion; thermal expansion of solids, liquids and gases, anomalous expansion of water; specific heat capacity; C_p , C_v - calorimetry; change of state - latent heat capacity. Heat transfer- conduction, convection and radiation, thermal conductivity, qualitative ideas of Blackbody radiation, Wein's displacement Law, Stefan's law .

Unit VIII: Thermodynamics

Chapter-12: Thermodynamics

Thermal equilibrium and definition of temperature zeroth law of thermodynamics, heat, work and internal energy. First law of thermodynamics, Second law of thermodynamics: gaseous state of matter, change of condition of gaseous state -isothermal, adiabatic, reversible, irreversible, and cyclic processes.

Unit IX: Behavior of Perfect Gases and Kinetic Theory of Gases

Chapter-13: Kinetic Theory

Equation of state of a perfect gas, work done in compressing a gas. Kinetic theory of gases - assumptions, concept of pressure. Kinetic interpretation of temperature; rms speed of gas molecules; degrees of freedom, law of equi-partition of energy (statement only) and application to specific heat capacities of gases; concept of mean free path, Avogadro's number.

Unit X: Oscillations and Waves

Chapter-14: Oscillations

Periodic motion - time period, frequency, displacement as a function of time, periodic functions and their application. Simple harmonic motion (S.H.M) and its equations of motion; phase; oscillations of a loaded spring- restoring force and force constant; energy in S.H.M. Kinetic and potential energies; simple pendulum derivation of expression for its time period.

Chapter-15: Waves

Wave motion: Transverse and longitudinal waves, speed of travelling wave, displacement relation for a progressive wave, principle of superposition of waves, reflection of waves, standing waves in strings and organ pipes, fundamental mode and harmonics, Beats.

Subject : Chemistry (11th)

Syllabus (2024-25)

Unit No.	Title	No. of Periods
Unit I	Some Basic Concepts of Chemistry	18
Unit II	Structure of Atom	20
Unit III	Classification of Elements and Periodicity in Properties	12
Unit IV	Chemical Bonding and Molecular Structure	20
Unit V	Chemical Thermodynamics	23
Unit V	Equilibrium	20
Unit VII	Redox Reactions	09
Unit VIII	Organic Chemistry: Some Basic Principles and Techniques	20
Unit IX	Hydrocarbons	18
	Total	160

Monthly Syllabus Break-up (2020-2021)

Month	No. of Working Days	Chapters to be covered	Contents in detail
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June	09	Unit – 1 Some Basic Concepts of chemistry	General Introduction: Importance and scope of chemistry. Nature of matter, laws of chemical combination, Daltons atomic theory: concept of elements, atoms, and molecules. Atomic and molecular masses, .
July	22	Some Basic Concepts of chemistry(Contd.)	mole concept and molar mass, percentage composition, empirical and molecular formula, chemical reactions, stoichiometry and calculations based on stoichiometry.
		Unit -2 Atomic structure	Discovery of Electron, Proton and Neutron, atomic number, isotopes and isobars. Thomson's model and its limitations. Rutherford's model and its limitations, Bohr's model and its limitations, concept of shells and subshells, dual nature of matter and light, de Broglie's relationship, Heisenberg uncertainty principle, concept of orbitals, quantum numbers, shapes of s, p and d orbitals, rules for filling electrons in orbitals - Aufbau principle, Pauli's exclusion principle and Hund's rule, electronic configuration of atoms, stability of half filled and completely filled orbitals.
		Unit -3 PERIODIC CLASSIFICATION OF ELEMENTS AND PERIODICITY IN PROPERTY	Significance of classification, brief history of the development of periodic table, modern periodic law and the present form of periodic table, periodic trends in properties of elements -atomic radii, ionic radii, inert gas radii Ionization enthalpy, electron gain enthalpy, electronegativity, valency. Nomenclature of elements with atomic number greater than 100.
		Unit 4 CHEMICAL BONDING AND MOLECULAR STRUCTURE	Valence electrons, ionic bond, covalent bond; bond parameters, Lewis structure, polar character of covalent bond, covalent character of ionic bond, valence bond theory, resonance, geometry of covalent molecules, VSEPR theory, concept of hybridization, involving s,p and d orbitals and shapes of some simple molecules, molecular orbital theory of homonuclear diatomic molecules (qualitative idea only), hydrogen bond.

Aug	19	Unit -5 THERMODYNAMICS	<p>Concepts of System and types of systems, surroundings, work, heat, energy, extensive and intensive properties, state functions.</p> <p>First law of thermodynamics -internal energy and enthalpy, heat capacity and specific heat, measurement of ΔU and ΔH, Hess's law of constant heat summation, enthalpy of bond dissociation, combustion, formation, atomization, sublimation, phase transition, ionization, solution and dilution. Second law of Thermodynamics (brief introduction)</p> <p>Introduction of entropy as a state function, Gibb's energy change for spontaneous and non-spontaneous processes, criteria for equilibrium. Third law of thermodynamics (brief introduction).</p>
Sep.	08	Unit- 6 CHEMICAL EQUILIBRIUM	<p>Equilibrium in physical and chemical processes, dynamic nature of equilibrium, law of mass action, equilibrium constant, factors affecting equilibrium - Le Chatelier's principle, ionic equilibrium-ionization of acids and bases, strong and weak electrolytes, degree of ionization, ionization of poly basic acids, acid strength, concept of pH, Henderson Equation, hydrolysis of salts (elementary idea), buffer solution, solubility product, common ion effect (with illustrative examples).</p>
Oct.	15	Unit- 7 REDOX REACTIONS UNIT -8 <u>Organic Chemistry - Some Basic Principles and Technique</u>	<p>Concept of oxidation and reduction, redox reactions, oxidation number, balancing redox reactions, in terms of loss and gain of electrons and change in oxidation number, applications of redox reactions.</p> <p>General introduction, methods of purification, qualitative and quantitative analysis, classification and IUPAC nomenclature of organic compounds. Electronic displacements in a covalent bond: inductive effect, electromeric effect, resonance and hyper conjugation. Homolytic and heterolytic fission of a covalent bond: free radicals, carbocations, carbanions, electrophiles and nucleophiles, types of organic reactions.</p>
Nov.	12	Unit- 9 HYDROCARBON	<p>Classification of Hydrocarbons Aliphatic Hydrocarbons: Alkanes - Nomenclature, isomerism, conformation (ethane only), physical properties, chemical reactions including free radical mechanism of halogenation, combustion and pyrolysis. Alkenes - Nomenclature, structure of double bond (ethene), geometrical isomerism, physical properties, methods of preparation, chemical reactions: addition of hydrogen, halogen, water, hydrogen halides (Markownikov's addition and peroxide effect), ozonolysis, oxidation, mechanism of electrophilic addition.</p> <p>Alkynes - Nomenclature, structure of triple bond (ethyne), physical properties, methods of preparation, chemical reactions: acidic character of alkynes, addition reaction of - hydrogen, halogens, hydrogen halides and water.</p> <p>Aromatic Hydrocarbons: Introduction, IUPAC nomenclature, benzene: resonance, aromaticity, chemical properties: mechanism of electrophilic substitution. nitration, sulphonation, halogenation, Friedel Craft's alkylation and acylation, directive influence of functional group in monosubstituted benzene. Carcinogenicity and toxicity</p>
Dec.	19		REVISION
Jan.	17		REVISION
Feb,	10		REVISION AND ANNUAL EXAM

BIOLOGY

Books prescribed:

1. NCERT Biology for class-XI

Syllabus for the whole year – (2024 – 25)

Unit I- Diversity in the Living World – 15 Marks

- | | |
|---------------------|-------------------------------|
| 1. The living world | 2. Biological classification. |
| 3. Plant Kingdom | 4. Animal Kingdom |

Unit II- Structural organisation in Animals and plants – 10 Marks

- | | |
|---------------------------------------|--------------------------------|
| 5. Morphology of flowering plants | 6. Anatomy of Flowering Plants |
| 7. Structural organisation in Animals | |

Unit III-Cell: Structure & function – 15 Marks

- | | |
|--------------------------------|-----------------|
| 8. Cell: The unit of life. | 9. Biomolecules |
| 10. Cell cycle & cell division | |

Unit IV: Plant Physiology – 12 Marks

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|-------------------------------------|---------------------------|
| 11. Photosynthesis in higher plants | 12. Respiration in plants |
| 13. Plants Growth & Development | |

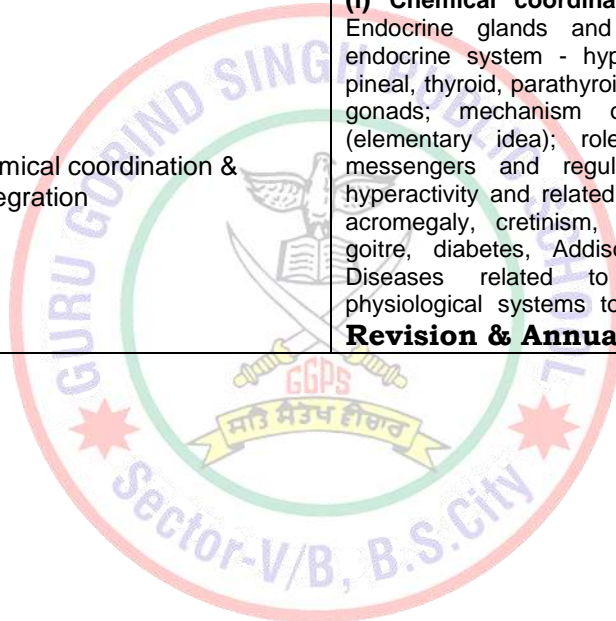
Unit V: Human Physiology – 18 Marks

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|---|--|
| 14. Breathing & Exchange of gases | 15. Body fluids & Circulation |
| 16. Excretory product & their elimination | 17. Locomotion & Movement |
| 18. Neural Control and Coordination | 19. Chemical coordination & Integration. |

Months	No of working days	Chapter/Topic	Content / Sub topic in detail	Experiment / Activity/Project
June	09	(i) Biological classification (ii) Plant Kingdom	<p>(i) Biological Classification: Five Kingdom classification; Salient features and classification of Monera, Protista and Fungi into major groups; Lichens, Viruses and Viroids.</p> <p>(ii) Plant Kingdom: Classification of plants into major groups; Salient and distinguishing features and a few examples of Algae, Bryophyta, Pteridophyta, Gymnospermae (Topics excluded – Angiosperms, Plant Life Cycle and Alternation of Generations)</p>	B.Study/ observation Sl.No 1,2,3
July	22	(i) The living world (ii) Animal Kingdom (iii) Photosynthesis in higher plants	<p>(i) The Living World : Biodiversity; Need for classification; three domains of life; taxonomy and systematics; concept of species and taxonomical hierarchy; binomial nomenclature.</p> <p>(ii) Animal Kingdom : Salient features and classification of animals, non-chordates up to phyla level and chordates up to class level (salient features and at a few examples of each category). (No live animals or specimen should be displayed.)</p> <p>(iii) Photosynthesis in Higher Plants Photosynthesis as a means of autotrophic nutrition; site of photosynthesis, pigments involved in photosynthesis (elementary idea); photochemical and biosynthetic phases of photosynthesis; cyclic and non-cyclic photophosphorylation; chemiosmotic hypothesis; photorespiration; C3 and C4 pathways; factors affecting photosynthesis.</p>	A.List of Experiment: S1 3,4

August	19	(i) Respiration in Plants (ii) Plants growth & development (iii) Morphology of flowering plants	(i) Respiration in Plants: Exchange of gases; cellular respiration - glycolysis, fermentation (anaerobic), TCA cycle and electron transport system (aerobic); energy relations - number of ATP molecules generated; amphibolic pathways; respiratory quotient. (ii) Plants growth & development: Seed germination; phases of plant growth and plant growth rate; conditions of growth; differentiation, dedifferentiation and redifferentiation; sequence of developmental processes in a plant cell; growth regulators - auxin, gibberellin, cytokinin, ethylene, ABA; (iii) Morphology of flowering plants: Morphology of different parts of flowering plants: root, stem, leaf, inflorescence, flower, fruit and seed. Description of family Solanaceae	List of Experiment Sl no 1 & 2
September	08	(i) Anatomy of flowering plants	(i) Anatomy of Flowering Plants: Anatomy and functions of different tissues and tissue systems.	B.Study /Observation SlNo.4,
October	15	(i) Structural Organisation in Animals (ii) Cell: the unit of life. (iii) Biomolecules	(i) Structural Organisation in Animals: Morphology, Anatomy and functions of different systems (digestive, circulatory, respiratory, nervous and reproductive) of frog (ii) Cell: the unit of life : Cell theory and cell as the basic unit of life, structure of prokaryotic and eukaryotic cells; Plant cell and animal cell; cell envelope; cell membrane, cell wall; cell organelles - structure and function; endomembrane system, endoplasmic reticulum, golgi bodies, lysosomes, vacuoles, mitochondria, ribosomes, plastids, microbodies; cytoskeleton, cilia, flagella, centrioles (ultrastructure and function); nucleus. (iii) Biomolecules: Chemical constituents of living cells: biomolecules, structure and function of proteins, carbohydrates, lipids, nucleic acids; Enzyme - types, properties, enzyme action. (Topics excluded: Nature of Bond Linking Monomers in a Polymer, Dynamic State of Body Constituents – Concept of Metabolism, Metabolic Basis of Living, The Living State)	B.Study /Observation Sl.no 5
November	12	(i) Cell cycle & Cell division (ii) Breathing & Exchange of gases	(i) Cell cycle & Cell division: Cell Cycle and Cell Division Cell cycle, mitosis, meiosis and their significance. (ii) Breathing and Exchange of Gases : Respiratory organs in animals (recall only); Respiratory system in humans; mechanism of breathing and its regulation in humans - exchange of gases, transport of gases and regulation of respiration, respiratory volume; disorders related to respiration - asthma, emphysema, occupational respiratory disorders	A.List of Experiment: S1 5
December	19	(i) Body fluids & Circulation (ii) Excretory Product & their elimination	(i) Body fluids & Circulation : Composition of blood, blood groups, coagulation of blood; composition of lymph and its function; human circulatory system - Structure of human heart and blood vessels; cardiac cycle, cardiac output, ECG; double circulation; regulation of cardiac activity; disorders of circulatory system - hypertension, coronary artery disease, angina pectoris, heart failure..	A.List of Experiment: S1 6,8

			<p>(ii) Excretory Product & their elimination: Modes of excretion - ammonotelism, ureotelism, uricotelism; human excretory system – structure and function; urine formation, osmoregulation; regulation of kidney function - renin - angiotensin, atrial natriuretic factor, ADH and diabetes insipidus; role of other organs in excretion; disorders - uremia, renal failure, renal calculi, nephritis; dialysis and artificial kidney, kidney transplant.</p>	
January	17	<p>(i) Locomotion & Movement (ii) Neural Control & Coordination</p>	<p>(i) Locomotion & Movement: Types of movement - ciliary, flagellar, muscular; skeletal muscle, contractile proteins and muscle contraction; skeletal system and its functions; joints; disorders of muscular and skeletal systems - myasthenia gravis, tetany, muscular dystrophy, arthritis, osteoporosis, gout. (ii) Neural Control & Coordination: Neuron and nerves; Nervous system in humans - central nervous system; peripheral nervous system and visceral nervous system; generation and conduction of nerve impulse.</p>	<p>B.Study /Observation Sl.no 6</p> <p>A List of Experiment : Sl.no 7,9,10 & 11</p>
February	10	<p>(i) Chemical coordination & Integration</p>	<p>(i) Chemical coordination & Integration: Endocrine glands and hormones; human endocrine system - hypothalamus, pituitary, pineal, thyroid, parathyroid, adrenal, pancreas, gonads; mechanism of hormone action (elementary idea); role of hormones as messengers and regulators, hypo - and hyperactivity and related disorders; dwarfism, acromegaly, cretinism, goiter, exophthalmic goitre, diabetes, Addison's disease. Note: Diseases related to all the human physiological systems to be taught in brief. Revision & Annual Examination</p>	<p>A List of Experiment : Sl.no 12 & 13</p>



Accountancy (Code No. 055)

SYLLABUS CLASS XI SESSION 2024 - 25

Units		Marks
	Part A: Financial Accounting - I	
1.	Theoretical Framework	12
2.	Accounting Process	44
	Total	56
	Part B : Financial Accounting - II	
3.	Financial Statements of Sole Proprietorship from Complete and Incomplete Records	24
	Part C : Project Work	20
	Total	100

MONTHLY SYLLABUS BREAK-UP FOR 2024 - 25

2024 – 25 Month	No. of Working days	Chapters to be Covered
June	9	Unit 1: Theoretical Framework 1. Introduction to Accounting
July	22	2. Theory Base of Accounting Unit 2: Accounting Process 1. Recording of Business Transactions : Accounting Equation
August	19	Unit 2: Accounting Process 2. Recording of Business Transactions : Journal and Source documents and Vouchers 3. Ledger & Trail Balance
September	08	Unit 2: Accounting Process 4. Special Purpose Books 5. Bank Reconciliation Statement Revision & Half Yearly Examination
October	15	Unit 2: Accounting Process 6. Depreciation , Provisions and Reserves
November	12	Depreciation , Provisions and Reserves (Cont...) Unit 3 : Financial Statements 1. Financial Statements of Sole Proprietorship
December	19	1. Financial Statements of Sole Proprietorship (Cont..) 2. Financial Statements from Incomplete Records
January 2024	17	Unit 2: Accounting Process 7. Rectification of Errors Project Work & Revision
February 2024	10	Revision & Final Examination

BUSINESS STUDIES (CODE NO. 054)

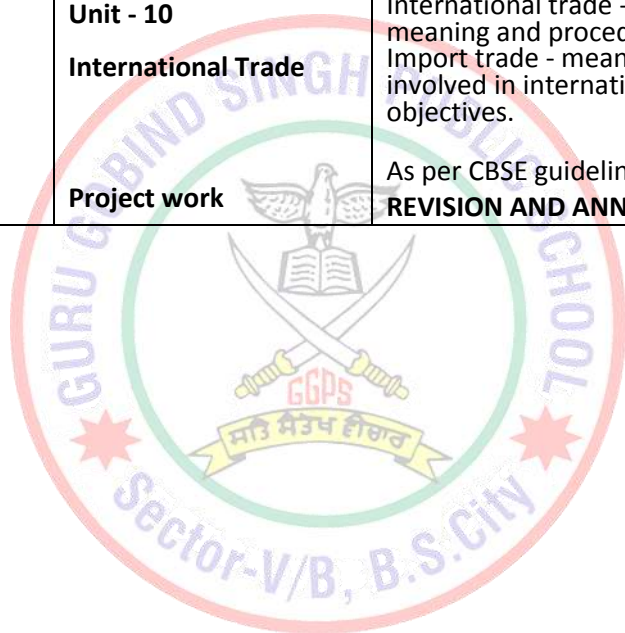
MONTHLY SYLLABUS BREAKUP SESSION (2024-25)

UNITS		Marks
PART- A	FOUNDATIONS OF BUSINESS	
1.	NATURE AND PURPOSE OF BUSINESS	16
2.	FORMS OF BUSINESS ORGANISATIONS	
3.	PUBLIC, PRIVATE AND GLOBAL ENTERPRISES	14
4.	BUSINESS SERVICES	
5.	EMERGING MODES OF BUSINESS	10
6.	SOCIAL RESPONSIBILITY OF BUSINESS AND BUSINESS ETHICS	
	TOTAL	40
PART- B	FINANCE AND TRADE	
7.	SOURCES OF BUSINESS FINANCE	20
8.	SMALL BUSINESS	
9.	INTERNAL TRADE	20
10.	INTERNATIONAL BUSINESS	
	TOTAL	40
PART- C	PROJECT WORK	20

MONTH WISE DISTRIBUTION OF THE WHOLE SYLLABUS

2022-23 MONTH	NO. OF WORKING DAYS	CHAPTER/ TOPIC	CONTENT/ SUB-TOPIC IN DETAIL
June	09	Unit - 1. Evolution and fundamentals of business	History of trade and commerce in India. Business- meaning and characteristics, Concept. Objectives of business, Classification of business. Business risk.
July	22	Unit - 2. Forms of business organizations	Sole proprietorship- concept, merits and limitations. Partnership - concept, merits, limitations, registration of partnership firms, partnership deed, types of partners. Hindu undivided family business - concept. Co-operative societies, Company - concept, merits and limitations, types of companies, formation of company-its stages.
August	19	Unit - 3. Public, private and global enterprises. Unit - 4. Business services	Public sector and private sector enterprises - concept. Types of public sector enterprises- Departmental undertakings, Statutory corporations and Government company Multinational companies. Business services - meaning and types. Banking - concept and types of bank accounts. Banking services. Insurance - concept and principles of insurance, types of insurance. Postal services.
September	08	Unit - 5. Emerging modes of business	E-business - concept, scope and benefits.
			REVISION AND HALF YEARLY EXAMINATION
October	15	Unit -6. Social Responsibility of Business and Business Ethics	Social responsibility - concept and cases. Responsibility towards different interest groups. Role of business in environment protection. Business ethics - concept and elements.

November	12	Unit – 7 Sources of Business finance	Concept of business finance. Owner's funds - equity shares, preference shares, retained earnings. Borrowed funds - debentures and bonds, loan from financial institutions and commercial banks, public deposits, trade credit, ICDS.
December	15	Unit – 8 Small business and Enterprise	Entrepreneurship development - concept, characteristics and need. Start-up India scheme, ways to fund start-ups Intellectual property rights. Small scale enterprises as defined by MSME Act, 2006. Role of small business in India with special reference to rural areas. Government schemes and agencies for small scale industries - NSIC, DIC with special reference to rural and backward areas.
January	19	Unit – 9 Internal trade	Internal trade - meaning and types. Services rendered by a wholesaler and a retailer. Types of retail trade. Large scale retailers - departmental stores and chain stores. GST - concept and key features.
February	10	Unit - 10 International Trade	International trade - concept and benefits. Export trade - meaning and procedure. Import trade - meaning and procedure. Documents involved in international trade. WTO - meaning and objectives.
		Project work	As per CBSE guidelines. REVISION AND ANNUAL EXAMINATION



ECONOMICS

ECONOMICS CLASS – XI (2024-25)

MONTH WISE DISTRIBUTION OF SYLLABUS

Books Recommended : (i) NCERT

Part A: Statistics for Economics

Units	Marks
1. Introduction	15
2. Collection , Organisation & Presentation of Data	
3. Statistical Tools and Interpretation	25
Total:	40

Part B: Introductory Microeconomics

Units	Marks
4. Introduction	04
5. Consumer's equilibrium & Demand	14
6. Producer Behaviour & supply	14
7. Forms of Market and Price Determination under perfect Competition with simple applications	08
Total:	40

Part C: Project 20 Marks

MONTH WISE BREAKUP OF SYLLABUS

Month	No. W.D	Chapterto be covered	Activity/Project	Test/ Sem.	Prescribed Book	Publication
June	09	<p>Unit – 1 Introduction (Statistics) (What is Economics? Meaning, scope, functions and importance of statistics in Economics)</p> <p>Unit – 4 Introduction (Micro) (Meaning of microeconomics and macro economics; 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.)</p>			NCERT Text Book Part-A & Part-B (XI)	NCERT
July	22	<p>Unit 5 Consumer's equilibrium & Demand</p> <p>Chapter – Consumer's equilibrium Utility Analysis. (Consumer's equilibrium - meaning of utility, marginal utility, law of diminishing marginal utility, conditions of consumer's equilibrium using marginal utility analysis.)</p> <p>Chapter – Consumer's equilibrium Indifference Curve Analysis (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.)</p> <p>Chapter – Theory of Demand. (Demand, market demand, determinants of demand, demand schedule, demand curve and its slope, movement along and shifts in the demand curve)</p>			Note: Latest Edition of Text Book should be use.	

August	19	<p>Chapter – Elasticity of Demand (price elasticity of demand - factors affecting price elasticity of demand; measurement of price elasticity of demand – percentage-change method and total expenditure methods)</p> <p>Unit – 2 Chapter – 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.)</p> <p>Chapter – Organisation of Data Meaning and types of variables; Frequency Distribution.</p> <p>Chapter – 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)</p>				
September	08	<p>Unit – 3 Chapter – Measures of central Tendency Arithmetic Mean</p> <p>Revision for Half Yearly Examination</p>		Half yearly Examination		
October	15	<p>Unit – 3 – Chapter – Measures of central Tendency Median ,Mode</p> <p>Unit – 6 Chapter – Production Function (Meaning of Production Function – Short-Run and Long-Run Total Product, Average Product and Marginal Product. Returns to a Factor)</p> <p>Chapter – Concept of Cost (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>				
November	12	<p>Chapter – Concept of Revenue (Revenue - total, average and marginal revenue – meaning and their relationship.)</p> <p>Chapter – Producers equilibrium (Producer's equilibrium-meaning and its conditions in terms of marginal revenue marginal cost.)</p> <p>Chapter – Theory of supply (Supply, market supply, determinants of supply, supply schedule, supply curve and its slope, movements along and shifts in supply curve)</p>				
December	19	<p>Chapter – Elasticity of supply (price elasticity of supply; measurement of price elasticity of supply - percentage-change method.)</p> <p>Units – 3</p> <p>Chapter – Correlation (meaning and properties, scatter diagram; Measures of correlation - Karl Pearson's method (two variables ungrouped data) Spearman's rank correlation.)</p>				

January	17	<p>Chapter – 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.</p> <p>Unit – 7</p> <p>Chapter – Forms of Market & Price determination under perfect Competition with simple applications (Perfect competition - Features; Determination of market equilibrium and effects of shifts in demand and supply. Simple Applications of Demand and Supply. (Short run only) Price ceiling, price floor.)</p>				
February	10	REVISION & FINAL EXAMINATION				



CLASS XI (2024-25)
ENTREPRENEURSHIP (CODE NO. 066)
COURSE STRUCTURE

Theory Paper Time: 3 hours

Maximum marks: 70

S. No	Unit	Marks
UNIT 1	Entrepreneurship: Concept and Functions	15
UNIT 2	An Entrepreneur	
UNIT 3	Entrepreneurial Journey	20
UNIT 4	Entrepreneurship as Innovation and Problem Solving	
UNIT 5	Understanding the Market	15
UNIT 6	Business Finance and Arithmetic	20
UNIT 7	Resource Mobilization	
PROJECT WORK		30
Total		100
Month	No. of Days	Topics in Detail
JUNE		Unit 1: Entrepreneurship: Concept and Functions Entrepreneurship – Concept Functions and Need Myths about Entrepreneurship Why Entrepreneurship for You
JULY		Unit 1: Entrepreneurship: Concept and Functions Advantage and Limitations of Entrepreneurship Process of Entrepreneurship Entrepreneurship -The Indian Scenario Unit 2: An Entrepreneur Why be an Entrepreneur Types of Entrepreneurs Competencies and characteristics Entrepreneurial Values, Attitudes and Motivation Intrapreneur- Meaning and Importance
AUGUST		Unit 3: Entrepreneurship Journey Idea generation Feasibility Study and opportunity assessment Business Plan: meaning, purpose and elements Execution of Business Plan Unit 4: Entrepreneurship as Innovation and Problem Solving Entrepreneurs as problem solvers Innovations and Entrepreneurial Ventures – Global and Indian Role of Technology – E-commerce and Social Media Social Entrepreneurship - Concept
SEPTEMBER		Revision and Half Yearly Examination 2024 – 25
OCTOBER		Unit 5: Understanding the Market Market: Concept, Types Micro and Macro Market Environment
NOVEMBER		Unit 5: Understanding the Market Market Research – Concept Importance and Process, Marketing Mix Unit 6: Business Finance and Arithmetic Unit of Sale, Unit Price and Unit Cost – for single product or service
DECEMBER		Unit 6: Business Finance and Arithmetic Types of Costs - Start up, Variable and Fixed Break Even Analysis - for single product or service
JANUARY		Unit 7: Resource Mobilization Types of Resources – Physical, Human Financial and Intangible Selection and utilization of human resources and professionals like Accountants, Lawyers, Auditors, Board Members, etc.
FEBRUARY		Revision and Annual Examination 2024 – 25

GURU GOBIND SINGH PUBLIC SCHOOL

SPLIT UP OF SYLLABUS [SESSION 2024-2025]

CLASS:- XI

SUBJECT :- HISTORY

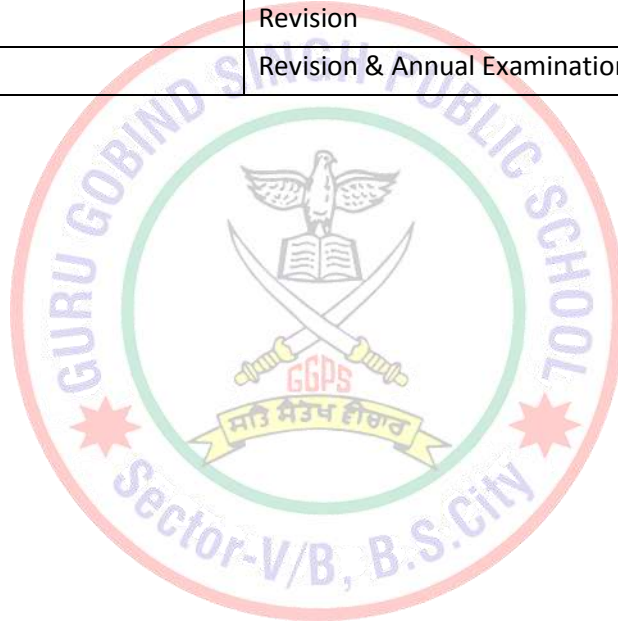
PRESCRIBED BOOKS:

Themes in World History(NCERT)

Month	No. of Working Days	Chapters to be covered	Contents	Activity/Project
June	09	Ch 2. Writing and City Life Section II - Empires Ch 3. An Empire Across Three Continents	<ul style="list-style-type: none"> * Mesopotamia and its Geography *The significance of Urbanism *Movement of Goods into Cities *The development of writing *Urbanisation in Southern Mesopotamia: Temples and Kings *Life in the City *A trading town in a pastoral Zone *Cities in Mesopotamian culture *The legacy of writing *The Early Empire *The Third Century Crisis *Gender, Literacy, Culture *Economic Expansion *Controlling workers *Social Heirarchies 	<ul style="list-style-type: none"> *On the map of West Asia mark and locate the famous cities of Mesopotamia *On the outline political map of the World mark the stretch of the Early Roman Empire in three continents of Europe, North Africa and Asia.
July	22	Ch5. Nomadic Empire	<ul style="list-style-type: none"> *Social and political background *The career of Genghis Khan *The Mangols after Genghis Khan *Social, Political and Military Organisation *Conclusion: Situating Genghis Khan and the Mongols in World History 	<ul style="list-style-type: none"> *Map skills 1. On the given map of South-East Asia mark and locate the following places related to Mongol empire: <ol style="list-style-type: none"> i. Karakoram ii. Moscow iii. Turfan iv. Merv v. Herat vi. Balkh 2. With the help of arrow and place mark and locate the campaigns of the Mongols

August	19	Section III – Changing Traditions Ch6. The Three Orders	<ul style="list-style-type: none"> *An Introduction to Feudalism *France and England *The Second Order: The Nobility *The Manorial Estate *The Knights *The First Order: The Clergy *The Church and Society *The Third Order: Peasants, Free and Unfree *Factors affecting Social and Economic Order *A Fourth Order? New Towns and Townspeople *The crisis of the Fourteenth Century 	<p>*On the map of Western Europe mark and locate the following extent of feudalism:</p> <ol style="list-style-type: none"> i. St. Denis ii. Bingen iii. London iv. Rome v. Venice
September	08	Revision & Half Yearly Examination		
October	15	Ch7. Changing Cultural Traditions	<ul style="list-style-type: none"> *The Revival of Italian Cities *Universities and Humanism *The Humanist view of History *Science and Philosophy: The Arab's Contribution *Artists and Realism *Architecture *The First Printed Books *A new concept of Human Beings *The Aspirations of Women *Debates within Christianity *The Copernican Revolution *Reading the Universe *Was there a European 'Renaissance' in the Fourteenth Century? 	<p>*On the political map of Europe mark and locate the following Italian States: Rome, Venice, Padua, Genoa, Mantua and Florence</p>
November	12	Section D Ch 10. Displacing Indigenous Peoples Ch 11. Paths to Modernisation	<ul style="list-style-type: none"> *European Imperialism *North America *Encounters *Mutual Perceptions *The Native Peoples Lose their Land *The Gold Rush, and the Growth of Industries. *Constitutional Rights *The Winds of Change..... *Australia *Japan – The Political System *The Meiji Restoration *Modernising the Economy *Industrial Workers *Aggressive Nationalism *'Westernisation' and 'Tradition' *Daily Life *Overcoming Modernity After Defeat: Re-emerging as a Global Economic Power 	<p>*On the given map, mark and locate the extent of the USA</p> <p>*On the map of Australia mark and locate the following Perth, Sydney, Adelaide, Darwin, Melbourne, Canberra</p>

			<ul style="list-style-type: none"> *China – Establishing the Republic *The Rise of the Communist Party of China *Establishing the New Democracy: 1949-65 *Conflicting Visions: 1965-78 *Reforms from 1978 *The Story of Taiwan *Two Roads to Modernisation 	*On the map of China, mark and locate the main route of Long March
December	19	Ch 11. Paths to Modernisation-Contd... Revision and Annual Examination		
January	17		Revision	
February	10		Revision & Annual Examination	



CLASS 11

SYLLABUS GEOGRAPHY

SESSION 2024-25

	No. of working days	Chapter No./ Title	Content	Practical
TERM- 1				
June	09	UNIT 1 PART A Geography as a Discipline	<ul style="list-style-type: none"> • Geography as an integrating discipline, as a science of spatial attributes • Branches of Geography: Physical Geography and Human Geography 	Fundamentals of Maps <ul style="list-style-type: none"> • Geo spatial data, Concept of Geographical data matrix; Point, line, area data
July	22	UNIT 7 PART B Introduction India: Location, space relations, India's place in the world		
August	19	UNIT 2 PART A The Earth UNIT 8 PART B Physiography	<ul style="list-style-type: none"> • Origin and evolution of the earth • Interior of the earth Earthquakes and volcanoes: causes, types and effects • Distribution of oceans and continents: Wegener's continental drift theory and plate Tectonics • Structure and Relief; Physiographic Divisions • Drainage systems: Concept of river basins, watershed; the Himalayan and the Peninsular rivers 	
		UNIT 3 PART A Landforms PART B UNIT 8(CONT.)	<ul style="list-style-type: none"> • Geomorphic processes: weathering; mass wasting; erosion and deposition; soil-formation • Landforms and their evolution- Brief erosional and depositional features 	<ul style="list-style-type: none"> • Maps - types; scales- types; construction of simple linear scale, measuring distance; finding direction and use of symbols
	September	08	UNIT 4 PART A Climate	<ul style="list-style-type: none"> • Atmosphere- composition and structure; elements of weather and climate • Solar Radiation-Insolation- angle of incidence and distribution; heat budget of the earth- heating and cooling of atmosphere (conduction, convection, terrestrial

			radiation and advection); temperature- factors controlling temperature; distribution of temperature- horizontal and vertical; inversion of temperature <ul style="list-style-type: none"> • Atmospheric circulation and weather systems - Pressure-pressure belts; winds-planetary, seasonal and local; air masses and fronts; tropical and extra tropical cyclones. • Water in the atmosphere- Precipitation- evaporation; condensation-dew, frost, fog, mist and cloud; rainfall-types and world distribution • World Climate and Global Concerns. 	
TERM – 2				
October	15	UNIT 5 PART A Water (Oceans) UNIT 9	<ul style="list-style-type: none"> • Basics of Oceanography • Oceans - distribution of temperature and salinity • Movements of ocean water-waves, tides and currents; submarine reliefs 	Topographic and Weather Maps <ul style="list-style-type: none"> • Study of topographic maps (1 : 50,000 or 1 : 25,000 Survey of India maps); contour cross section and identification of landforms-slopes, hills, valleys, waterfall, cliffs; distribution of settlements • Satellite imageries, stages in remote sensing data-acquisition, platform and sensors and data products, (photographic and digital)
November	12	UNIT 6 PART A Life on the Earth	<ul style="list-style-type: none"> • Biosphere - importance of plants and other organisms; biodiversity and conservation 	
December	19	UNIT 10 PART B Hazards and Disasters: Causes, Consequences And Management	<ul style="list-style-type: none"> • Floods, Cloudbursts • Droughts: types and impact • Earthquakes and Tsunami • Cyclones: features and impact • Landslides 	
January	17			
February	10	Revision & Annual Examination		

GURU GOBIND SINGH PUBLIC SCHOOL

SPLIT UP OF SYLLABUS [SESSION 2024-2025]

CLASS: XI

SUBJECT : POLITICAL SCIENCE

PRESCRIBED BOOKS

PART A - Indian Constitution At Work (NCERT)

PART B - Political Theory (NCERT)

Month	No. of Working Days	Chapters to be covered	Contents	Activity/Project
June	09	PART A: INDIAN CONSTITUTION AT WORK Ch1. Constitution: Why and How? Ch3. Election and Representation	<ul style="list-style-type: none"> *Why do we need a Constitution? *Specification of Decision making powers *Limitations on the powers of Government *Aspirations and goals of a society *Fundamental Identity of a people *The Authority of a Constitution *Mode of promulgation *The substantive provisions of a Constitution *Institutional Arrangements *Provisions adapted from Constitutions of different countries *Elections and Democracy *Proportional Representation *Comparison of FPTP and PR system of Election *Why did India adopt the FPTP system? *Reservation of Constituencies *Free and Fair Elections *Independent Election Commission *Electoral Reforms 	<ul style="list-style-type: none"> *Prepare a chart mentioning the sources of the Indian Constitution along with the features taken from different countries *"Indian democracy is now ready to shift from a crude First Past the Post system to a system of Proportional Representation". Do you agree? Give your reasons for or against this statement.
July	22	Ch 4.Executive	<ul style="list-style-type: none"> *What is an Executive? *What are the Different Types of Executive *Parliamentary Executive in India 	<ul style="list-style-type: none"> *Differentiate between permanent executive and political executive.

		<p>Ch 5. Legislature</p> 	<ul style="list-style-type: none"> *Power and Position of President *The Vice President of India *Prime Minister and Council of Minister *Permanent Executive: Bureaucracy *Classification of Civil Services *Why do we need a Parliament *Why do we need two Houses of Parliament? *States having a bicameral legislature *Rajya Sabha and Lok Sabha *What does the Parliament do? *How does the Parliament make Laws? *How does the Parliament Control the Executive? What do the Committees of Parliament do? How does the Parliament Regulate itself? 	<p>*On an outline map of India locate and label the states having bi-cameral legislature.</p>
August	19	<p>Ch 6. Judiciary</p> <p>Revision & Half Yearly Examination</p> 	<ul style="list-style-type: none"> *Why do we need an Independent Judiciary? *Appointment & Removal of Judges *Structure of the Judiciary *Jurisdiction of Supreme Court *Judicial Activism *Judiciary and Rights *Judiciary and Parliament 	<p>*Explain how Judiciary assumes the roles and functions of the Legislature and Executive.</p>
September	08	<p>Ch7. Federalism</p>	<ul style="list-style-type: none"> *What is Federalism? *Federalism in the Indian Constitution *Division of powers *Constitution of India *Federalism with a strong Central Government *Conflicts in India's Federal System *Demands for Autonomy *Role of Governors and President's Rule *Demands for New States *Interstate Conflicts *Special Provisions 	<p>*Write notes on 'Quasi Federalism', 'Cooperative Federalism', 'Competitive Federalism'</p>

		Ch8. Local Government	<ul style="list-style-type: none"> *Why Local Government? *Growth of Local Government in India *73rd and 74th Amendments *Implementation of 73rd and 74th Amendments 	*Prepare a chart on the importance of Local Bodies in the Modern Times
October	15	PART B: POLITICAL THEORY Ch 1. Political Theory: An Introduction Ch2. Freedom Ch 3. Equality	<ul style="list-style-type: none"> *What is Politics? *What do we Study in Political Theory? *Putting Political Theory to Practice *Why should we study Political Theory *The Ideal of Freedom *What is Freedom *The Sources of Constraints *Why do we need Constraints *Harm Principle *Negative and Positive Liberty *Freedom of Expression *Why does Equality matter *What is Equality? *Equality of Opportunities *Natural and Social Inequalities *Three Dimensions of Equality – Political, Social and Economic *How can we Promote Equality? *Establishing Formal Equality *Equality Through Differential Treatment *Affirmative Action 	<ul style="list-style-type: none"> *Do you think studying political theory is like studying mathematics? Give reasons for your answer. *Is there a relationship between freedom for the individual and freedom for the nation? Explain. *What is the relationship between equality and freedom ?

November	12	Ch 4. Social Justice Ch5. Rights	<ul style="list-style-type: none"> *What is Justice? *Equal Treatment for equals *Proportionate Justice *Recognition of Special Needs *Just Distribution *John Rawls' Theory of Justice *Pursuing Social Justice *Free Markets versus State Intervention <p>What are Rights?</p> <ul style="list-style-type: none"> *Where do Rights come from? *Legal Rights and the State *Kinds of Rights *Rights and Responsibilities 	<ul style="list-style-type: none"> *Prepare a report on the basic minimum requirements of people for living a healthy and productive life and the responsibility of governments in trying to ensure this minimum to all *On a Chart Paper – Discuss briefly some of the new rights claims which are being put forward in our country today – for example the rights of tribal people to protect their habitat and way of life, or the rights of children against bonded labour.
December	19	Ch6. Citizenship Ch 7. Nationalism Ch 8. Secularism	<ul style="list-style-type: none"> *What is meant by Citizenship *Full and Equal Membership *Equal Rights *Citizen and Nation *Universal Citizenship *Global Citizenship <p>Ch 7. Nationalism</p> <ul style="list-style-type: none"> *Introducing Nationalism *Nations and Nationalism *Territory *Shared Political Ideals *Common Political Identity *National self-Determination *Nationalism and Pluralism *Tagore's Critique of Nationalism <p>Ch 8. Secularism</p> <ul style="list-style-type: none"> *What is Secularism? *Secular State *The Western Model of Secularism *The Indian Model of Secularism 	<p>"Democratic citizenship is a project rather than an accomplished fact even in countries like India which grant equal citizenship".</p> <p>Discuss some of the issues regarding citizenship being raised in India today.</p> <ul style="list-style-type: none"> *Illustrate the limitations of Nationalism *Indian Secularism focuses on more than the Religion-State Separation. Explain.
January	17	Revision		
February	10	Revision and Annual Examination		

MONTHLY SYLLABUS BREAK-UP 2024-25

SUBJECT- BHARATNATYAM DANCE

CLASS - XI

MONTH	W.D	TOPIC	CONTENTS IN DETAIL	PRACTICAL
June	09	Bhoomi pranam, Tatta adavu, Chatusra ekam and chatushra tripuit taal with hasta kriya.	Definition of tatta adavu, pudhpanjali, alaripu, jatiswaram, notation of chatusra ekam and chatusra tripuit taal.	Tatta adavu steps no. 1 to 8.
July	22	Natta adavu and pakka adavu.	Themes of TRamayana, definition of shabdham, varnam and kirtanam.	Natta adavu steps no. 1 to 8. Pakka adavu 1 to 4.
August	19	Korvai chatushra rupakam taal with hasta kriya.	Surpanakha prasanga, sitaharan, choodamani opradan.	Korvai 1 and 2.
September	08	Kuditta mettu adavu, aadi taal with hasta kriya.	Defination of padam, asta padi, jati, tillana, mallari and koutavam. Story of eklavya from mahabharatha.	Kuditta mettu adavu 1 to 4.
October	15	Etta adavu, introduce with tatti mettu adavu.	Draupadi swayamvar, the game of dice and the vastra haran of Draupadi, the exit of pandavas meeting with Krishna, the storuy of Karna.	Etta adavu 1 to 4.
November	12	TGatti mettu adavu	The bhagwat geeta, a brief history of Indian Dance, costume and jewelleryn of Bharatnatyam dance	Tattimettu adavu 1 to 5.
December + January	19 + 17	Revisions + REVISIONS FINAL EXAMINATION	Revisions	Revisions of all adavus.
February	10	REVISIONS FINAL EXAMINATION		

MONTHLY SYLLABUS BREAK-UP 2024-25

SUBJECT- KATHAK DANCE

CLASS - XI

MONTH	W.D	TOPIC	CONTENTS IN DETAIL	PRACTICAL
June	09	Practice of basic standing position and various patterns of tatkaar.	Definition of nritta, nritya, natya, tandava, lasya, anga, pratyanga and upanga.	Tatkaar with defferent layas
July	22	Shikhar, Madhya, talhasta chakra, ardha feri and deffent chakkars.	Sita haran, chudamani pradaan, a brief history of Indian dance.	Defferent moovments of Kathak
August	19	Padant of teentaal with hasta kriya, Guru vandana and thaata.	Sita swayamvar, Ramchandra's vanvas yatra, soorpanakha prasanga.	Guruvandana and Thaata teentaal.
September	08	Natwari tora and tukjra,	Story of eklavya, Draupadi swayamvar, pandavas vanvas yatra	Natwari tora and tuikra teentaal
October	15	Kavitta teentaal	The game of dice and vastraharan of Draupadi, Story of Karna history of kathak dance	Kavitta teentaal.
November	12	Paranjodi amad, tihai.	Kathanak of kaalia daman govardhan leela, panghat leela, notation of teen taal and jhaptaal.	Paranjori amad and tihai teentaal
December + January	19 + 17	Gatnikas teentaal + REVISION; FINAL EXAMINATION	Definition of kavitta, dadra, tarana, etc.	Gatnias teentaal.
February	10	REVISION; FINAL EXAMINATION		

Subject: Painting
MONTHLY SYLLABUS BREAK-UP FOR 2024-25

MONTH	W.D	CHAPTER/TOPIC	CONTENT/SUB TOPIC IN DETAIL	EXPERIMENT/PRACTICAL
June	09	INTRODUCTION ABOUT SUBJECT TONE. (PENCIL SHADING)	THE OBJECT OF INCLUDING THE HISTORY OF INDIAN ART FOR THE STUDENTS IS TO FAMILIARIZE THEM WITH THE VARIOUS STYLES AND MODES OF ART.	PENCIL SHADING
July	22	PRE HISTORIC ROCK PAINTING, BHIMBETKA	THE STUDY OF PRE-HISTORIC ROCK PAINTING ARE EQUIVALENT TO THE JOURNEY BACK TO STONE AGE.	STILL LIFE IN PENCIL SHADING
August	19	INDUS VALLEY CIVILIZATION	<ol style="list-style-type: none"> 1. DANCING GIRL 2. MALE TORSO 3. MOTHER GODDESS 4. BULL SEAL 	STILL LIFE
September	08	BUDDHIST, JAIN AND HINDU ART	<ol style="list-style-type: none"> 1. LION CAPITAL 2. CHAURI BEARER 3. BUDDHISTVA 4. JANIST 	NATURE STUDY
October	15	AJANTA CAVE PAINTING & ARTISTIC ASPECT OF INDIAN TEMPLES.	<ol style="list-style-type: none"> 1. PADMAPANI BODHISATTVA 2. MAR VIJAY AJANTA 3. DESCENT OF GANGA 4. TRIMURTEE 	HUMAN ANATOMY
November	12	ARTISTIC ASPECTS OF INDO-ISLAMIC ARCHITECTURE	<ol style="list-style-type: none"> 1. TAJ MAHAL 2. QUTAB MINAR 3. GOL GUMBAJ, BIJAPUR 	COMPOSITION
December	19	-----	PORTFOLIO ASSESSMENT SUBMISSION OF PRACTICAL FILE	NATURE STUDY
January	17		Revision	
February	10		Revision	

