



PURV INTERNATIONAL SCHOOL

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SYLLABUS FOR CLASS – XI (Session 2024-25)

SUBJECT: ENGLISH	
HALF YEARLY INTERNAL PROJECT ASSESSMENT Full Marks: 20	HALF YEARLY Full Marks: 80
ALS <ul style="list-style-type: none"> • Speaking ability test • Listening ability test 	BOOK- HORNBILL <ul style="list-style-type: none"> • The Portrait of a Lady • We're not afraid to die, if we can all be together • Discovering Tut: the saga continues • A Photograph (poem) • The Laburnum Top (poem) • The Voice of the Rain (poem) BOOK- SNAPSHOTS <ul style="list-style-type: none"> • The Summer of the beautiful white horse • The Address GRAMMAR AND WRITING <ul style="list-style-type: none"> • Advertisements Debate • Integrated Grammar
ANNUAL INTERNAL PROJECT ASSESSMENT Full Marks: 20	ANNUAL Full Marks: 80
1.ALS <ul style="list-style-type: none"> • Speaking ability test • Listening ability test 2.PROJECT WORK	BOOK- HORNBILL <ul style="list-style-type: none"> • The Portrait of a Lady • We're not afraid to die, if we can all be together • Discovering Tut: the saga continues • The Adventure Silk Road • A Photograph (poem) • The Laburnum Top (poem) • The Voice of the Rain (poem) • Childhood (poem) Father to Son (poem) BOOK- SNAPSHOTS <ul style="list-style-type: none"> • The Summer of the beautiful white horse • The Address Mother's Day Birth • The Tale of Melon City GRAMMAR AND WRITING- Integrated grammar <ul style="list-style-type: none"> • Classified Advertisements • Debate Posters Speech

SUBJECT: PHYSICS	
HALF YEARLY INTERNAL PRACTICAL ASSESSMENT Full Marks: 30	HALF YEARLY Full Marks: 80/70
SECTION – A 1. To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker/calorimeter using Vernier Callipers and hence find its volume 2. To measure diameter of a given wire and thickness	Ch 2: Units and measurements Ch 3: Motion in a straight line Ch 4: Motion in a plane Ch 5: Laws of Motion Ch 6: Work, energy and power

<p>of a given sheet using screw gauge.</p> <p>3. To determine volume of an irregular lamina using screw gauge.</p> <p>4. Using a simple pendulum, plot its $L-T^2$ graph and use it to find the effective length of second's pendulum.</p> <p>SECTION- B 1. To determine Young's modulus of elasticity of the material of a given wire.</p> <p>2. To find the force constant of a helical spring by plotting a graph between load and extension.</p> <p>4. Using a simple pendulum, plot its $L-T^2$ graph and use it to find the effective length of second's pendulum.</p> <p>5. To determine the mass of two different objects using a beam balance</p>	<p>Ch 7: System of particles and rotational Motion</p>
<p style="text-align: center;">ANNUAL</p> <p>INTERNAL PRACTICAL ASSESSMENT Full Marks: 30</p>	<p style="text-align: center;">ANNUAL</p> <p style="text-align: center;">Full Marks: 70</p>
<p>SECTION – A 1. To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker/calorimeter using Vernier Callipers and hence find its volume</p> <p>2. To measure diameter of a given wire and thickness of a given sheet using screw gauge.</p> <p>3. To determine volume of an irregular lamina using screw gauge.</p> <p>4. Using a simple pendulum, plot its $L-T^2$ graph and use it to find the effective length of second's pendulum.</p> <p>5. To determine the mass of two different objects using a beam balance.</p> <p>6.To study variation of time period of a simple pendulum of a given length by taking bobs of same size but different masses and interpret the result.</p> <p>7. To study the relationship between force of limiting friction and normal reaction and to find the coefficient of friction between a block and a horizontal surface.</p> <p>8.To find the downward force, along an inclined plane, acting on a roller due to gravitational pull of the earth and study its relationship with the angle of inclination θ by plotting graph between force and $\text{Sin}\theta$</p> <p>9. To find the weight of a given body using parallelogram law of vectors</p> <p>10. To determine radius of curvature of a given spherical surface by a spherometer</p> <p>SECTION- B 1. To determine Young's modulus of elasticity of the material of a given wire.</p> <p>2. To find the force constant of a helical spring by plotting a graph between load and extension.</p> <p>3. To determine the surface tension of water by</p>	<p>Ch 2: Units and measurements, Ch 3: Motion in a straight line, Ch 4: Motion in a plane, Ch 5: Laws of Motion, Ch 6: Work, energy and power, Ch 7: System of particles and rotational Motion, Ch 8: Gravitation, Ch 9: Mechanical properties of solids, Ch10: Mechanical properties of fluids, Ch11: Thermal properties of matter, Ch12 : Thermodynamics, Ch13: Kinetic theory, Ch14: Oscillations, Ch15: Waves</p>

<p>capillary rise method.</p> <p>4. To determine the coefficient of viscosity of a given viscous liquid by measuring terminal velocity of a given spherical body.</p> <p>5. To study the relation between frequency and length of a given wire under constant tension using sonometer</p> <p>6. To study the relation between the length of a given wire and tension for constant frequency using sonometer.</p> <p>7. To study the variation in volume with pressure for a sample of air at constant temperature by plotting graphs between P and V, and between P and 1/V.</p> <p>8. To study the relationship between the temperature of a hot body and time by plotting a cooling curve</p> <p>9. To determine specific heat capacity of a given solid by method of mixtures.</p> <p>10. To find the speed of sound in air at room temperature using a resonance tube by two resonance positions</p>	
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SUBJECT: CHEMISTRY	
HALF YEARLY INTERNAL PRACTICAL ASSESSMENT Full Marks: 30	HALF YEARLY Full Marks: 80/70
Quantitative Estimation i. Using a mechanical balance/electronic balance. ii. Preparation of standard solution of Oxalic acid. iii. Determination of strength of a given solution of Sodium hydroxide by titrating it against standard solution of Oxalic acid. iv. Preparation of standard solution of Sodium carbonate. v. Determination of strength of a given solution of hydrochloric acid by titrating it against standard Sodium Carbonate solution.	1. Some Basic Concepts of Chemistry 2. Structure of Atom 3. Classification of Elements and Periodicity in Properties 4. Chemical Bonding and Molecular Structure
ANNUAL INTERNAL PRACTICAL ASSESSMENT Full Marks: 30	ANNUAL Full Marks: 80/70
Quantitative Estimation i. Using a mechanical balance/electronic balance. ii. Preparation of standard solution of Oxalic acid. iii. Determination of strength of a given solution of Sodium hydroxide by titrating it against standard solution of Oxalic acid. iv. Preparation of standard solution of Sodium carbonate. v. Determination of strength of a given solution of hydrochloric acid by titrating it against standard Sodium Carbonate solution. Qualitative Analysis a) Determination of one anion and one cation in a given salt	1. Some Basic Concepts of Chemistry 2. Structure of Atom 3. Classification of Elements and Periodicity in Properties 4. Chemical Bonding and Molecular Structure 5. Chemical Thermodynamics 6. Equilibrium 7. Redox Reactions 8. Organic Chemistry: Some basic Principles and Techniques 9. Hydrocarbons

SUBJECT: MATHEMATICS

<p align="center">HALF YEARLY INTERNAL PROJECT ASSESSMENT Full Marks: 20</p>	<p align="center">HALF YEARLY Full Marks: 80/70</p>
<p>Activities</p> <p>1. To find the number of subsets of a given set and verify that if a set has n number of elements, then the total number of subsets is 2 to the power n.</p> <p>2. To verify that for two sets A and B, $n(A \times B) = pq$ and the total number of relations from A to B is 2 to the power pq, where $n(A) = p$ and $n(B) = q$.</p> <p>3. To represent set theoretic operations using Venn diagrams.</p> <p>4. To verify distributive law for three given non-empty sets A, B and C, that is, $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$.</p> <p>5. To identify a relation and a function.</p>	<p>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). Universal set. Venn diagrams. Union and Intersection of sets. Difference of sets. Complement of a set. Properties of Complement.</p> <p>Relations & Functions: Ordered pairs. Cartesian product of sets. Number of elements in the Cartesian product of two finite sets. Cartesian product of the set of reals with itself (up to $R \times R \times R$). Definition of relation, pictorial diagrams, domain, co-domain and range of a relation. Function as a special type of relation. 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</p> <p>Trigonometric Functions: Positive and negative angles. Measuring angles in radians and in degrees and conversion from one measure to another. Definition of trigonometric functions with the help of unit circle. Truth of the identity $\sin^2 x + \cos^2 x = 1$, 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 applications. Deducing identities like the following: Identities related to $\sin 2x$, $\cos 2x$, $\tan 2x$, $\sin 3x$, $\cos 3x$ and $\tan 3x$.</p> <p>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</p> <p>Linear Inequalities: Linear inequalities. Algebraic solutions of linear inequalities in one variable and their representation on the number line.</p> <p>Permutations and Combinations: Fundamental principle of counting. Factorial n. ($n!$) Permutations and combinations, derivation of Formulae for nPr and nCr and their connections, simple applications.</p> <p>Binomial Theorem: Historical perspective, statement and proof of the binomial theorem for positive integral indices. Pascal's triangle, simple applications</p>
<p align="center">ANNUAL INTERNAL PROJECT ASSESSMENT Full Marks: 20</p>	<p align="center">ANNUAL Full Marks: 80</p>
<p>Activities:</p> <p>6. To distinguish between a Relation and a Function.</p> <p>7. To verify the relation between the degree measure and the radian measure of an angle.</p> <p>8. To find the values of sine and cosine functions in second, third and fourth quadrants using their given values in first quadrant.</p>	<p>HALF YEARLY SYLLABUS +</p> <p>Sequence and Series: Sequence and Series. Arithmetic Mean (A.M.) 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</p> <p>Straight Lines: Brief recall of two-dimensional geometry from earlier classes. 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</p>

<p>9. To prepare a model to illustrate the values of sine function and cosine function for different angles which are multiples of $\pi/2$ and π.</p> <p>10. To plot the graphs of $\sin x$, $\sin 2x$, $2\sin x$ and $\sin x/2$, using same coordinate axes.</p>	<p>form, intercept form, Distance of a point from a line.</p> <p>Conic Sections: Sections of a cone: circles, 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. Standard equation of a circle</p> <p>Introduction to Three-dimensional Geometry: Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points</p> <p>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 the curve, derivative of sum, difference, product and quotient of functions. Derivatives of polynomial and trigonometric functions.</p> <p>Statistics and Probability: Measures of Dispersion: Range, Mean deviation, variance and standard deviation of ungrouped/grouped data. Events; occurrence of events, 'not', 'and' and 'or' events, exhaustive events, mutually exclusive events, Axiomatic (set theoretic) probability, connections with other theories of earlier classes. Probability of an event, probability of 'not', 'and' and 'or' events</p>
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SUBJECT: BIOLOGY	
<p>HALF YEARLY INTERNAL PRACTICAL ASSESSMENT Full Marks: 30</p>	<p>HALF YEARLY Full Marks: 70</p>
<p>EXPERIMENTS</p> <ol style="list-style-type: none"> 1- Study and describe common flowering plants. 2- 2 – Preparation and study of T.S of monocot and dicot root and stem. 3- Study osmosis by potato osmometer 4- Study of plasmolysis in epidermal peel. 5- Study of distribution of stomata on upper and lower surface of leaf. 6- Comparative study of the rates of transpiration in the upper and lower surface of leaves. 7- SPOTTINGS 	<p>Chapter</p> <ol style="list-style-type: none"> 1 – The Living World 2 – Biological Classification 3 – Plant kingdom 4 – Animal Kingdom 5 – Morphology of Flowering Plants 6 – Anatomy of Flowering Plants 7 – Structural Organisation in Animals 8 – Cell: The unit of life 9 – Biomolecules 10 – Cell Cycle and Cell Division
<p>ANNUAL INTERNAL PRACTICAL ASSESSMENT Full Marks: 30</p>	<p>ANNUAL Full Marks: 70</p>
<p>EXPERIMENTS</p> <ol style="list-style-type: none"> 1- Test for the presence of sugar, starch, protein and fats in plants and animal materials. 2- Separation of plant pigments through paper 	<p>Chapter</p> <ol style="list-style-type: none"> 1 – The Living World 2 – Biological Classification 3 – Plant kingdom 4 – Animal Kingdom

<p>chromatography.</p> <p>3- Study of rates of respiration in flower buds / leaf tissue and germinating seeds.</p> <p>4- Test for presence of urea, sugar, albumin and</p> <p>5- Bile salt in urine.</p> <p>6- SPOTTINGS</p>	<p>5 – Morphology of Flowering Plants</p> <p>6 – Anatomy of Flowering Plants</p> <p>7 – Structural Organisation in Animals</p> <p>8 – Cell: The unit of life</p> <p>9 – Biomolecules</p> <p>10 – Cell Cycle and Cell Division</p> <p>13. Photosynthesis in Higher Plants</p> <p>14 – Respiration in Plants</p> <p>15 – Plant – Growth and Development</p> <p>17 – Breathing and Exchange of Gasses</p> <p>18 – Body Fluids and Circulation</p> <p>19 – Excretory Products and Elimination</p> <p>20 – Locomotion and Movement</p> <p>21 – Natural Control and Coordination</p>
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SUBJECT: PHYSICAL EDUCATION	
HALF YEARLY INTERNAL PRACTICAL ASSESSMENT Full Marks: 30	HALF YEARLY Full Marks: 70
<p>1) Physical Fitness Test: SAI Khelo India Test, Brockport Physical Fitness Test (BPFT).</p> <p>2) Yogic Practices</p>	<p>Unit-1, Changing Trends and Careers in Physical Education</p> <ol style="list-style-type: none"> 1. Concept, Aims & Objectives of Physical Education 2. Development of Physical Education in India – Post Independence 3. Changing Trends in Sports- playing surface, wearable gear and sports equipment, technological advancements 4. Career options in Physical Education 5. Khelo-India Program and Fit – India Program <p>Unit-2, Olympism Value Education</p> <ol style="list-style-type: none"> 1. Olympism – Concept and Olympics Values (Excellence, Friendship & Respect) 2. Olympic Value Education – Joy of Effort, Fair Play, Respect for Others, Pursuit of Excellence, Balance Among Body, Will & Mind 3. Ancient and Modern Olympics 4. Olympics - Symbols, Motto, Flag, Oath, and Anthem 5. Olympic Movement Structure - IOC, NOC, IFS, Other members <p>Unit-3, Yoga</p> <ol style="list-style-type: none"> 1. Meaning and importance of Yoga 2. Introduction to Astanga Yoga 3. Yogic Kriyas (ShatKarma) 4. Pranayama and its types. 5. Active Lifestyle and stress management through Yoga <p>Unit-4, Physical Education and Sports for Children with Special Needs</p> <ol style="list-style-type: none"> 1. Concept of Disability and Disorder

	<p>2. Types of Disability, its causes & nature (Intellectual disability, Physical disability).</p> <p>3. Disability Etiquette</p> <p>4. Aim and objectives of Adaptive Physical Education.</p> <p>5. Role of various professionals for children with special needs (Counselor, Occupational Therapist, Physiotherapist, Physical Education Teacher, Speech Therapist, and Special Educator)</p> <p>Unit-5, Physical Fitness, Wellness, and Lifestyle</p> <p>1. Meaning & importance of Wellness, Health, and Physical Fitness.</p> <p>2. Components/Dimensions of Wellness, Health, and Physical Fitness</p> <p>3. Traditional Sports & Regional Games for promoting wellness</p> <p>4. Leadership through Physical Activity and Sports</p> <p>5. Introduction to First Aid – PRICE</p>
<p style="text-align: center;">ANNUAL INTERNAL PRACTICAL ASSESSMENT Full Marks: 30</p>	<p style="text-align: center;">ANNUAL Full Marks: 70</p>
<p>1) Physical Fitness Test: SAI Khelo India Test, Brockport Physical Fitness Test (BPFT).</p> <p>2) Yogic Practices</p> <p>3) Proficiency in Games and Sports (Skill of any one IOA recognized Sport/Game of Choice).</p> <p>4) Viva Voce (Health/ Games & Sports/ Yoga)</p> <p>5) Record File</p>	<p>Unit-1, Changing Trends and Careers in Physical Education</p> <p>1. Concept, Aims & Objectives of Physical Education</p> <p>2. Development of Physical Education in India – Post Independence</p> <p>3. Changing Trends in Sports- playing surface, wearable gear and sports equipment, technological advancements</p> <p>4. Career options in Physical Education</p> <p>5. Khelo-India Program and Fit – India Program</p> <p>Unit-2, Olympism Value Education</p> <p>1. Olympism – Concept and Olympics Values (Excellence, Friendship & Respect)</p> <p>2. Olympic Value Education – Joy of Effort, Fair Play, Respect for Others, Pursuit of Excellence, Balance Among Body, Will & Mind</p> <p>3. Ancient and Modern Olympics</p> <p>4. Olympics - Symbols, Motto, Flag, Oath, and Anthem</p> <p>5. Olympic Movement Structure - IOC, NOC, IFS, Other members</p> <p>Unit-3, Yoga</p> <p>1. Meaning and importance of Yoga</p> <p>2. Introduction to Astanga Yoga</p> <p>3. Yogic Kriyas (ShatKarma)</p> <p>4. Pranayama and its types.</p> <p>5. Active Lifestyle and stress management through Yoga</p>

Unit-4, Physical Education and Sports for Children with

Special Needs

1. Concept of Disability and Disorder
2. Types of Disability, its causes & nature (Intellectual disability, Physical disability).
3. Disability Etiquette
4. Aim and objectives of Adaptive Physical Education.
5. Role of various professionals for children with special needs (Counselor, Occupational Therapist, Physiotherapist, Physical Education Teacher, Speech Therapist, and Special Educator)

Unit-5, Physical Fitness, Wellness, and Lifestyle

1. Meaning & importance of Wellness, Health, and Physical Fitness.
2. Components/Dimensions of Wellness, Health, and Physical Fitness
3. Traditional Sports & Regional Games for promoting wellness
4. Leadership through Physical Activity and Sports
5. Introduction to First Aid – PRICE

Unit-6, Test, Measurement & Evaluation

1. Define Test, Measurements and Evaluation.
2. Importance of Test, Measurements and Evaluation in Sports.
3. Calculation of BMI, Waist – Hip Ratio, Skin fold measurement (3-site)
4. Somato Types (Endomorphy, Mesomorphy & Ectomorphy)
5. Measurements of health-related fitness

Unit-7, Fundamentals of Anatomy, Physiology in Sports

1. Definition and importance of Anatomy and Physiology in Exercise and Sports.
2. Functions of Skeletal System, Classification of Bones, and Types of Joints.
3. Properties and Functions of Muscles.
4. Structure and Functions of Circulatory System and Heart.
5. Structure and Functions of Respiratory System.

Unit-8, Fundamentals of Kinesiology and Biomechanics in Sports

1. Definition and Importance of Kinesiology and Biomechanics in Sports.
2. Principles of Biomechanics
3. Kinetics and Kinematics in Sports

	<p>4. Types of Body Movements - Flexion, Extension, Abduction, Adduction, Rotation, Circumduction, Supination & Pronation</p> <p>5. Axis and Planes – Concept and its application in body movements</p> <p>Unit-9, Psychology and Sports</p> <p>1. Definition & Importance of Psychology in Physical Education & Sports;</p> <p>2. Developmental Characteristics at Different Stages of Development;</p> <p>3. Adolescent Problems & their Management;</p> <p>4. Team Cohesion and Sports;</p> <p>5. Introduction to Psychological Attributes: Attention, Resilience, Mental Toughness</p> <p>Unit-10, Training & Doping in Sports</p> <p>1. Concept and Principles of Sports Training</p> <p>2. Training Load: Over Load, Adaptation, and Recovery</p> <p>3. Warming-up & Limbering Down – Types, Method & Importance</p> <p>4. Concept of Skill, Technique, Tactics & Strategies</p> <p>5. Concept of Doping and its disadvantages</p>
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SUBJECT: COMPUTER SCIENCE	
HALF YEARLY INTERNAL PRACTICAL ASSESSMENT Full Marks: 30	HALF YEARLY Full Marks: 70
1. PRACTICAL (BASED ON HALF YEARLY SYLLABUS)	Chapter 1- Computer System Overview Chapter 2- Data Representation Chapter 3- Boolean Logic Chapter 4- Introduction to Problem Solving Chapter 5- Getting Started with Python Chapter 6- Python fundamentals Chapter 7 - Data Handling
ANNUAL INTERNAL PRACTICAL ASSESSMENT Full Marks: 30	ANNUAL Full Marks: 70
1. PRACTICAL (BASED ON ANNUAL SYLLABUS)	Chapter 1- Computer System Overview Chapter 2- Data Representation Chapter 3- Boolean Logic Chapter 4- Introduction to Problem Solving Chapter 5- Getting Started with Python Chapter 6- Python fundamentals Chapter 7 - Data Handling Chapter 8- Flow of Control Chapter 9- String Manipulation Chapter 10- List Manipulation Chapter 11- Tuples Chapter 12- Dictionaries Chapter 13 - Cyber Safety

	Chapter 14- Online Access and Computer Security Chapter 15 - Society, Law and Ethics
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SUBJECT: ACCOUNTANCY	
HALF YEARLY INTERNAL PROJECT ASSESSMENT Full Marks: 20	HALF YEARLY Full Marks: 80
1. Collection of source documents, preparation of vouchers, recording of transactions with the help of vouchers. 2. Preparation of Bank Reconciliation Statement with the given cash book and the pass book with twenty to twenty-five transactions.	1. Meaning, Objectives, Nature of Accounting 2. Basic Accounting Terms 3. Accounting Principles 4. Accounting Equations 5. Double Entry System 6. Double Entry System. 7. Books of original entry – Journals. 8. Ledger. 9. Trial Balance and Errors. 10. Books Of Original Entry – Cash Book. 11. Bank Reconciliation Statement.
ANNUAL INTERNAL PROJECT ASSESSMENT Full Marks: 30	ANNUAL Full Marks: 70
Comprehensive project of any sole proprietorship business. This may state with Journal entries and their Ledgering, preparation of trial Balance. Trading and Profit & Loss A/c and Balance Sheet. This may include GST related transactions.	1. Meaning, Objectives, Nature of Accounting 2. Basic Accounting Terms 3. Accounting Principles 4. Accounting Equations 5. Double Entry System 6. Double Entry System. 7. Books of original entry – Journals. 8. Ledger. 9. Trial Balance and Errors. 10. Books Of Original Entry – Cash Book. 11. Bank Reconciliation Statement. 12. Accounting Standards 13. Books Of Original Entry – Special Purpose Subsidiary Books. 14. Accounting Of Goods And Service Tax (GST) 15. Origin Of Transactions – Source Documents 16. Depreciation. 17. Provisions and Reserves. 18. Rectification of Errors. 19. Capital and Revenues. 20. Financial Statement. 21. Financial Statement – With Adjustments.

SUBJECT: BUSINESS STUDIES	
HALF YEARLY INTERNAL PROJECT ASSESSMENT Full Marks: 20	HALF YEARLY Full Marks: 80
Visit to an Industry. The students are required to observe the following: a) Nature of the business organization. b) Determinants for location of business unit. c) Form of business enterprise: Sole Proprietorship, Partnership, Undivided Hindu Family, Joint Stock Company (a Multinational Company). d) Different stages of production/process e) Auxiliaries involved in the process. f) Workers employed, method of wage payment, training programmes and facilities available. g) Social responsibilities discharged towards workers, investors, society, environment and government. h) Levels of management. i) Code of conduct for employers and employees	Ch 1. Evolution and Fundamentals of Business. Ch 2. Forms of Business Organisation. Ch 3. Privet, Public and Global Enterprises. Ch 4. Business Services. Ch 5. Emerging Modes of Business.
ANNUAL INTERNAL PROJECT ASSESSMENT Full Marks: 20	ANNUAL Full Marks: 80
j) Capital structure employed- borrowed v/s owned. k) Quality control, recycling of defective goods. l) Subsidies available/availed. m) Safety Measures employed. n) Working conditions for labour in observation of Labour Laws. o) Storage of raw material and finished goods. p) Transport management for employees, raw material and finished goods. q) Functioning of various departments and coordination among them (Production, Human Resource, Finance and Marketing) r) Waste Management. s) Any other observation.	Ch 1. Evolution and Fundamentals of Business. Ch 2. Forms of Business Organisation. Ch 3. Privet, Public and Global Enterprises. Ch 4. Business Services. Ch 5. Emerging Modes of Business. Ch 6. Social Responsibilities of Business. Ch 7. Sources of Business Finance. Ch 8. Small Business Enterprises. Ch 9. Internal Trade. Ch10. International Business.

SUBJECT: ECONOMICS	
HALF YEARLY INTERNAL PROJECT ASSESSMENT Full Marks: 20	HALF YEARLY Full Marks: 80/70
	A. Statistics For Economics:- Unit 1: Introduction What is Economics? Meaning, scope, functions and importance of statistics in Economics Unit 2: Collection, Organisation and Presentation of data 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. Organisation of Data: Meaning and types of variables; Frequency Distribution. 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

	<p>graphs (time series graph).</p> <p>B. Introductory Microeconomics</p> <p>Unit 4: Introduction</p> <p>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.</p> <p>Unit 5: Consumer's Equilibrium and Demand</p> <p>Consumer's equilibrium - meaning of Utility, Marginal Utility, Law of Diminishing Marginal Utility, conditions of consumer's equilibrium using marginal utility 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 style="text-align: center;">ANNUAL INTERNAL PROJECT ASSESSMENT Full Marks: 20</p>	<p style="text-align: center;">ANNUAL Full Marks: 80</p>
<p>Effect of Price Change on a Substitute Good (taking prices from real life visiting local market)</p>	<p>A. Statistics For Economics:-</p> <p>Unit1:Introduction</p> <p>What is Economics? Meaning, scope, functions and importance of statistics in Economics</p> <p>Unit2:Collection,OrganisationandPresentationofdata</p> <p>Collection of data-sources of data-primary and secondary; how basic datais collected with concepts of Sampling; methods of collecting data; some important sources of secondary data: Census of India and National Sample Survey Organisation. Organisation of Data: Meaning and types of variables; Frequency Distribution. Presentation of Data: Tabular Presentation and Diagrammatic Presentation of Data: (i)Geometric forms (bar diagrams and piedagrams), (ii)Frequency diagrams (histogram, polygon and Ogive) and (iii)Arithmetic line graphs (time series graph).</p> <p>Unit 3: Statistical Tools and Interpretation</p> <p>For all the numerical problems and solutions, the appropriate economic interpretation may be attempted. This means, the students need to solve the problems and provide interpretation for the results derived.</p> <p>Measures of Central Tendency- Arithmetic mean, Median and Mode 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> <p>Introduction to Index Numbers - meaning, types - Wholesale Price Index, Consumer Price Index and index of industrial production, uses of index numbers; Inflation</p>

	<p>and Index Numbers, Simple Aggregative Method.</p> <p>B. Introductory Microeconomics</p> <p>Unit4:Introduction 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.</p> <p>Unit5:Consumer's Equilibrium and Demand Consumer's equilibrium-meaning of Utility, Marginal Utility, Law of Diminishing Marginal Utility, conditions of consumer's equilibrium using marginal utility analysis. Indifference curve analysis of consumer's equilibrium-the consumer's budget (budget set and budget line), preferences of the consumer (in difference curve, in difference map) and conditions of consumer equilibrium.</p> <p>Unit 6: Producer Behaviour and Supply Meaning of Production Function – Short-Run and Long-Run Total Product, Average Product and Marginal Product. Returns to a Factor 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>Revenue – Total Revenue, Average Revenue and Marginal Revenue - meaning and their relationship. Producer's Equilibrium - meaning and its conditions in terms of Marginal Revenue Marginal Cost. 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> <p>Unit 7: Perfect Competition - Price Determination and simple applications. 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.</p>
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SUBJECT: ENTREPRENEURSHIP	
HALF YEARLY INTERNAL PROJECT ASSESSMENT Full Marks: 20	HALF YEARLY Full Marks: 80
Learn To Earn	1.Entrepreneurship: Concept And Functions 2.An Entrepreneur 3.Entrepreneurial Journey

	4. Entrepreneurship As Innovation And Problem Solving
ANNUAL INTERNAL PROJECT ASSESSMENT Full Marks: 20	ANNUAL Full Marks: 80
Field Visit: Visit Any Business Firm Near Your Locality; Interact With The Owner Of The Business Firm And Prepare A Field Report On Parameters Like: Type Of Business, Scale Of Business, Product /Service Dealing In, Target Customer, Problems Faced And Measures To Solve The Faced Challenges.	1. Entrepreneurship: Concept And Function 2. An Entrepreneur 3. Entrepreneurial Journey 4. Entrepreneurship As Innovation And Problem Solving 5. Concept Of Market 6. Business Finance And Arithmetic 7. Resource Mobilization

SUBJECT: HINDI	
HALF YEARLY INTERNAL PROJECT ASSESSMENT Full Marks: 20	HALF YEARLY Full Marks: 80
मुंशी प्रेमचंद की प्रसिद्ध रचनाएं में से किसी एक रचना को लिखें।	पद्य -- हम तो एक-एक करि जाना, मेरे तो गिरधर गोपाल दूसरो न कोई, घर की याद, चंपा काले- काले अक्षर नहीं चीन्हती। गद्य -- नमक का दारोगा, मियां नसीरुद्दीन, अप्पू के साथ ढाई साल, विदाई संभाषण। वितान -- भारतीय गायको में बेजोड़ लता मंगेशकर अभिव्यक्ति और माध्यम-- कार्यालयी लेखन और प्रक्रिया, जनसंचार माध्यम।
ANNUAL INTERNAL PROJECT ASSESSMENT Full Marks: 20	ANNUAL Full Marks: 80
किन्हीं पांच महाकविके जीवन परिचय को परियोजना कार्य (Project Work) में दर्शाएं।	पद्य-- हम तो एक-एक करि जाना, मेरे तो गिरधर गोपाल दूसरो न कोई, घर की याद, चंपा काले-काले अक्षर नहीं चीन्हती, गज़ल, है भूख! मत मचल, है मेरी जूही के फूल जैसे ईश्वर, सबसे खतरनाक, आओ मिलकर बचाएं। गद्य -- मक का दारोगा, मियां नसीरुद्दीन, अप्पू के साथ ढाई साल, विदाई संभाषण, गलता लोहा भारत माता। वितान-- भारतीय गायको में बेजोड़ लता मंगेशकर, राजस्थान की रजत बूंदे, आलो- अंधारि। अभिव्यक्ति और माध्यम-- कार्यालयी लेखन और प्रक्रिया, स्वबृत लेखन, और रोजगार संबंधी आवेदन पत्र, पत्रकारिता के विविध आयाम जनसंचार माध्यम।

SUBJECT: BENGALI	
HALF YEARLY INTERNAL PROJECT ASSESSMENT Full Marks: 20	HALF YEARLY Full Marks: 80
স্বয়ংসম্পূর্ণভাবে নিজস্ব ভাবনা ধারায় একটি নাটক রচনা।	বাচ্যপরিবর্তন বাংলায় শব্দ ভাণ্ডার (তৎসম,তদ্ভব,দেশী ও বিদেশী) বোধপরীক্ষণ তেলেনা পোতা আবিষ্কার কর্তারভূত নুন দ্বীপান্তরের বন্দিনী গুরু(প্রথমঅধ্যায়) সংলাপরচনা সারাংশলিখন
ANNUAL INTERNAL PROJECT ASSESSMENT Full Marks: 20	ANNUAL Full Marks: 80
পাঠ্যাংশ ভিন্ন যে কোন একটি গল্পের ইংরেজি থেকে বাংলায় অনুবাদ।	বাচ্যপরিবর্তন, উক্তিপরিবর্তন বাংলায় শব্দভাণ্ডার(তৎসম,তদ্ভব,দেশী ও বিদেশী), ডাকাতির মা গ্যালিলিও বাড়ির কাছে আরশিনগর, শিক্ষার সার্কাস, গুরু(সম্পূর্ণ), সংলাপ রচনা, সারাংশ লিখন

SUBJECT: HISTORY	
HALF YEARLY INTERNAL PROJECT ASSESSMENT Full Marks: 20	HALF YEARLY Full Marks: 80
1. Writing and city life	1. Writing & City Life 2. An Empire across three continents. 3. Nomadic Empire
ANNUAL INTERNAL PROJECT ASSESSMENT Full Marks: 20	ANNUAL Full Marks: 80
1. The three orders	1. Changing cultural tradition 2. Displaying indigenous people 3. Paths to modernisation

SUBJECT: GEOGRAPHY	
HALF YEARLY INTERNAL PROJECT ASSESSMENT Full Marks: 30	HALF YEARLY Full Marks: 70
1. Introduction to Maps 2. Map Scale Latitude Longitude and Time	Book- Fundamentals of Physical Geography Unit- I Geography as a Discipline 1. Geography As a Discipline Unit II The Earth 2. The Origin and Evolution of the Earth 3. Interior of the Earth 4. Distribution of oceans and continents Unit-IV Climate 5. Composition and Structure of Atmosphere Map work Book – India- Physical Environment Unit-I Introduction 1. India- Location Unit II Physiography 2. Structure and Physiography 3. Drainage System Map work

ANNUAL INTERNAL PROJECT ASSESSMENT Full Marks: 30	ANNUAL Full Marks: 70
3. Map Projections 4. Topographical Maps Introduction to Remote Sensing	Book- Fundamentals of Physical Geography Unit- III Landforms 6. Geomorphic Processes 5. Landform and their Evolution Unit-IV Climate 8. Solar Radiation, Heat balance and Temperature 9. Atmospheric Circulations and Weather Systems 10. Water in the Atmosphere Unit-V Water (Oceans) 12. Water (Oceans) 13. Movements of Ocean Water Book – India- Physical Environment Unit III Climate Vegetation and Soil 4. Climate 5. Natural Vegetation Map work

