



SAINI INTERNATIONAL SCHOOL, MAHESHTALA & HOWRAH



CLASS XI

YEARLY PORTIONS

2022-23

ENGLISH

EXAM NAME	CHAPTER NAME/ NUMBER
UT 1	<p><u>HORNBILL</u> <i>PROSE</i> 1. The Portrait of a Lady</p> <p><i>POEM</i> 1. A Photograph</p> <p><u>SNAPSHOT</u> 1. The Summer of the Beautiful White Horse 2. The Address</p> <p><u>GRAMMAR</u> •Clauses • Tenses • Re-ordering of Sentences</p> <p><u>WRITING</u> <i>Short Writing Tasks</i> •Poster Writing</p> <p><i>Long Writing Tasks</i> •Debate</p>
HALF YEARLY	<p><u>HORNBILL</u> <i>PROSE</i> 1. The Portrait of a Lady 2. "We're Not Afraid to Die...if We Can All Be Together" 3. Discovering Tut: the Saga Continues</p> <p><i>POEM</i> 1. A Photograph 2. The Laburnum Top</p> <p><u>SNAPSHOT</u> 1. The Summer of the Beautiful White Horse 2. The Address 5. Mother's Day</p> <p><u>GRAMMAR</u> • Clauses • Tenses • Re-ordering of Sentences</p> <p><u>WRITING</u> <i>Short Writing Tasks</i> • Poster Writing • Classified Advertisement</p> <p><i>Long Writing Tasks</i> • Debate • Speech</p>

<p>UT 2</p>	<p><u>HORNBILL</u> <i>PROSE</i> 1. The Portrait of a Lady 2. "We're Not Afraid to Die...if We Can All Be Together" 3. Discovering Tut: the Saga Continues 7. The Adventure</p> <p><i>POEM</i> 3. The Voice of the Rain4. Childhood</p> <p><u>SNAPSHOT</u> 5. Mother's Day 7. Birth</p> <p><u>GRAMMAR</u> •Clauses• Tenses • Re-ordering of Sentences</p> <p><u>WRITING</u> <i>Short Writing Tasks</i> •Poster</p> <p><i>Long Writing Tasks</i> • Debate</p>
<p>ANNUAL</p>	<p><u>HORNBILL</u> <i>PROSE</i> 1. The Portrait of a Lady 2. "We're Not Afraid to Die...if We Can All Be Together" 3. Discovering Tut: the Saga Continues 7. The Adventure 8. Silk Road</p> <p><i>POEM</i> 3. The Voice of the Rain 4. Childhood5. Father to Son</p> <p><u>SNAPSHOT</u> 5. Mother's Day 7. Birth 8. The Tale of Melon City</p> <p><u>GRAMMAR</u> •Clauses• Tenses • Re-ordering of Sentences</p> <p><u>WRITING</u> <i>Short Writing Tasks</i> • Poster • Classified Advertisement</p> <p><i>Long Writing Tasks</i> •Speech • Debate</p>

PHYSICS

EXAM NAME	CHAPTER NAME/ NUMBER
UT 1	Unit and measurement, motion in a straight line, motion in a plane , projectile motion, friction
HALF YEARLY	laws of motion, work power energy , rotational motion, system of particle , gravitation <ol style="list-style-type: none">1. To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker/calorimeter using Vernier Calipers and hence find its volume.2. To measure diameter of a given wire and thickness of a given sheet using screw gauge.3. Using a simple pendulum, plot its L-T² graph and use it to find the effective length of second's pendulum.4. To study the relationship between force of limiting friction and normal reaction and to find the co-efficient of friction between a block and a horizontal surface
UT 2	Mechanical properties of solid, , Thermal properties of matter, thermodynamics.
ANNUAL	Mechanical properties of fluid, kinetic theory of gases, oscillation , sound and waves. <ol style="list-style-type: none">1. To determine the coefficient of viscosity of a given viscous liquid by measuring terminal velocity of a given spherical body.2. To study the relationship between the temperature of a hot body and time by plotting a cooling curve.3. To find the force constant of a helical spring by plotting a graph between load and extension.4. To study the relation between frequency and length of a given wire under constant tension using sonometer.

CHEMISTRY

EXAM NAME	CHAPTER NAME/ NUMBER
UT 1	Some Basic Concepts of Chemistry, Structure of Atom Classification of Elements and Periodicity in Properties, Chemical Bonding and Molecular Structure
HALF YEARLY	Some Basic Concepts of Chemistry, Structure of Atom Classification of Elements and Periodicity in Properties, Chemical Bonding and Molecular Structure Hydrogen, Redox Reactions Organic Chemistry: Some basic Principles and Techniques
UT 2	Chemical Thermodynamics, Chemical Bonding Structure of Atom
ANNUAL	Some Basic Concepts of Chemistry, Structure of Atom, Chemical Bonding and Molecular Structure, Redox Reactions Organic Chemistry: Some basic Principles and Techniques Chemical Thermodynamics, Equilibria-Block Elements

MATHEMATICS

EXAM NAME	CHAPTER NAME/ NUMBER
UT 1	1, Sets 2. Relation functions. 3. Complex Number and quadratic Equations 4. sequence and series.
HALF YEARLY	1, Sets 2. Relation functions. 3. Complex Number and quadratic Equations 4. sequence and series. 5. straight lines 6. limits. 7. Statistics
UT 2	1. Trigonometry. 2. Linear Inequalities 3. permutations and combinations.
ANNUAL	1. Trigonometry 2. Linear Inequalities 3. permutations and combinations. 4. Conic sections . 5. Derivatives 6. Probability

BIOLOGY

EXAM NAME	CHAPTER NAME/ NUMBER
UT 1	<p>Chapter-1: The Living World Chapter-2: Biological Classification Chapter-3: Plant Kingdom</p>
HALF YEARLY	<p>Chapter-1: The Living World Chapter-2: Biological Classification Chapter-3: Plant Kingdom Chapter-4: Animal Kingdom Chapter-5: Morphology of Flowering Plants (only dicot & Moncot) Chapter-6: Anatomy of Flowering Plants Chapter-7: Structural Organization in Animals (only frog) Chapter-8: Cell-The Unit of Life Chapter-9: Bio-molecules</p> <p>PRACTICAL</p> <p>EXPERIMENT Experiment No. - 1-Study and describe a locally available common flowering plant, from any one family. Experiment No. - 2-Study of osmosis by Potato osmometer</p> <p>SPOTTING 1 Parts of a compound microscope. 2 Specimens/slides/models and identification with reasons - Bacteria, Oscillatoria, Spirogyra, Rhizopus, mushroom, yeast, liverwort, moss, fern, pine, one monocotyledonous plant, one dicotyledonous plant and one lichen. 3 Virtual specimens/slides/models and identifying features of - Amoeba, Hydra, liverfluke, Ascaris, leech, earthworm, prawn, silkworm, honeybee, snail, starfish, shark, rohu, frog, lizard, pigeon and rabbit.</p>
UT 2	<p>Chapter-10: Cell Cycle and Cell Division Chapter-13: Photosynthesis in Higher Plants Chapter-14: Cellular Respiration (Respiration in plants) Chapter-15: Plant - Growth and Development</p>

ANNUAL

Chapter-13: Photosynthesis in Higher Plants
Chapter-14: Cellular Respiration (Respiration in plants)
Chapter-15: Plant - Growth and Development
Chapter-17: Breathing and Exchange of Gases
Chapter-18: Body Fluids and Circulation
Chapter-19: Excretory Products and their Elimination
Chapter-20: Locomotion and Movement
Chapter-21: Neural Control and Coordination
Chapter-22: Chemical Coordination and Integration

PRACTICAL EXPERIMENT

3. Separation of plant pigments through paper chromatography.
4. Study of distribution of stomata in the upper and lower surfaces of leaves.
5. Study of the rate of respiration in flower buds/leaf tissue and germinating seeds.
6. Test for presence of sugar in urine.
7. Test for presence of albumin in urine.

SPOTTING

4. Tissues and diversity in shape and size of animal cells (squamous epithelium, smooth, skeletal and cardiac muscle fibers and mammalian blood smear) through temporary/permanent slides.
- 5 Mitosis in onion root tip cells and animal cells (grasshopper) from permanent slides.

COMPUTER SCIENCE

EXAM NAME	CHAPTER NAME/ NUMBER
UT 1	Unit I: Computer Systems and Organisation
HALF YEARLY	Unit I: Computer Systems and Organisation Unit II: Computational Thinking and Programming – 1 (UPTO ITERATION)
UT 2	Unit II: Computational Thinking and Programming – 1 (FULL UNIT) Unit III: Society, Law & Ethics
ANNUAL	Unit I: Computer Systems and Organisation Unit II: Computational Thinking and Programming – 1 (FULL UNIT) Unit III: Society, Law and Ethics

INFORMATION TECHNOLOGY

EXAM NAME	CHAPTER NAME/ NUMBER
UT 1	PART A Unit 1 : Communication Skills-III Unit 2 : Self-Management Skills-III Unit 3 : ICT Skills-III PART B Unit i : : Computer Organization
HALF YEARLY	PART A Unit 1 : Communication Skills-III Unit 2 : Self-Management Skills-III Unit 3 : ICT Skills-III PART B Unit i : : Computer Organization Unit -2 : Networking And Internet Unit-3 : Office Automation Tools

UT 2	Part A Unit 1 : Communication Skills-III Unit 2 : Self-Management Skills-III Unit 3 : ICT Skills-III Unit 4 : Entrepreneurial Skills-III Unit 5 : Green Skills-III Part B Unit-4: RDBMS
ANNUAL	Part A Unit 4 : Entrepreneurial Skills-III Unit 5 : Green Skills-III Part B Unit-4: RDBMS Unit 5: Fundamentals of Java

PSYCHOLOGY

EXAM NAME	CHAPTER NAME/ NUMBER
UT 1	<ul style="list-style-type: none"> • What is Psychology? • Methods of psychological enquiry
HALF YEARLY	<ul style="list-style-type: none"> • Human Development • Attentional & Perceptual processes • Sensory
UT 2	<ul style="list-style-type: none"> • Learning • Human Memory • Thinking , Motivation & Emotion
ANNUAL	Full Syllabus

ACCOUNTANCY

EXAM NAME	CHAPTER NAME/ NUMBER
UT 1	<ul style="list-style-type: none">• Bases of Accounting• Accounting equations• Journal• Ledger• Cash book and others books
HALF YEARLY	<ul style="list-style-type: none">• Bases of Accounting• Accounting equations• Journal• Ledger• Cash book and others books• BRS
UT 2	<ul style="list-style-type: none">• Dep• Bills of exchange• ROE• Financial statements
ANNUAL	<ul style="list-style-type: none">• Depreciation• Bills of exchange• Rectification of errors• Financial statements• Single Entry System• BRS• Journal, Ledger, Trial Balance

BUSINESS STUDIES

EXAM NAME	CHAPTER NAME/ NUMBER
UT 1	<ul style="list-style-type: none">• Nature and purpose of business• Forms of business organisation• Private public global organisations• Business services
HALF YEARLY	<ul style="list-style-type: none">• Forms of business organisation• Private public Global Organisation• Business Services• Emerging modes of business
UT 2	<ul style="list-style-type: none">• Sources of business finance• Small business• International trade• International business
ANNUAL	<ul style="list-style-type: none">• Nature and Purpose of business• Sources of business finance• Small business• International business• Internal Trade• Emerging modes of Business

ENTREPREUNERSHIP

EXAM NAME	CHAPTER NAME/ NUMBER
UT 1	<ul style="list-style-type: none">• Concept and functions of market• An Entrepreneur• Entrepreneurial Journey
HALF YEARLY	<ul style="list-style-type: none">• Concept and functions of market• An Entrepreneur• Entrepreneurial Journey• Entrepreneur as innovation and problem solving
UT 2	<ul style="list-style-type: none">• Analysis of market environment• Researching the market• Expanding market• Know thy market and market mix
ANNUAL	<ul style="list-style-type: none">• Analysis of market environment• Researching the market• Expanding market• Know thy market and market mix• An Entrepreneur• Entrepreneurial Journey

HISTORY

EXAM NAME	CHAPTER NAME/ NUMBER
UT 1	<ul style="list-style-type: none">• An Empire across three continents• Writing and City Life
HALF YEARLY	<ul style="list-style-type: none">• An empire across three continents• Nomadic Empire• Three orders
UT 2	<ul style="list-style-type: none">• Changing cultural traditions• Displacing indigenous People• Paths to modernization
ANNUAL	<h1>Full Syllabus</h1>

POLITICAL SCIENCE

EXAM NAME	CHAPTER NAME/ NUMBER
UT 1	Book- Indian Constitution at Work 1. Constitution 2. Election and Representation Book- Political Theory 8. Political Theory: An Introduction 9. Liberty
HALF YEARLY	Book- Indian Constitution at Work 1. Constitution 2. Election and Representation 3. The Legislature 4. The Executive Book- Political Theory 8. Political Theory: An Introduction 9. Freedom 10. Equality 11. Justice
UT 2	Book- Indian Constitution at Work 5. The Judiciary 6. Federalism Book- Political Theory 12. Rights 13. Citizenship 14. Nationalism
ANNUAL	Full Syllabus

GEOGRAPHY

EXAM NAME	CHAPTER NAME/ NUMBER
UT 1	Fundamentals Of Physical Geography:- <ul style="list-style-type: none"> • Unit 1 – Geography as a discipline • Unit 2 – The Earth India-Physical Environment:- <ul style="list-style-type: none"> • Unit 1 – India Location • Unit 2 – Physiography (Ch 2) India Map pointing
HALF YEARLY	Fundamentals Of Physical Geography:- <ul style="list-style-type: none"> • Unit 3 – The Landforms (Ch 6 & Ch 7) • Unit 4 – The Climate (Ch 8, Ch 9& Ch 10) India-Physical Environment:- <ul style="list-style-type: none"> • Unit 2 – Physiography (Ch 2) • Unit 2 – Drainage (Ch 3) • Unit 3 – Climate, Vegetation & Soil India Map pointing
UT 2	Fundamentals Of Physical Geography:- <ul style="list-style-type: none"> • Unit 4 – The Climate (Ch 11 & Ch 12) • Unit 5 – Water (Oceans) India-Physical Environment:- <ul style="list-style-type: none"> • Unit 4 – Natural Hazards & Disasters, Causes, Consequences & management.
ANNUAL	Fundamentals Of Physical Geography:- <ul style="list-style-type: none"> • Unit 4 – The Climate (Ch 10, ch 11 & Ch 12) • Unit 5 – Water (Oceans) • Unit 6 – Life On the Earth India-Physical Environment:- <ul style="list-style-type: none"> • Unit 2 – Drainage (Ch 3) • Unit 3 – Climate, Vegetation & Soil India Map pointing

PHYSICAL EDUCATION

EXAM NAME	CHAPTER NAME/ NUMBER
UT 1	UNIT - 1 : Changing Trends & Career in Physical Education UNIT - 2 : Olympism UNIT - 3 Yoga
HALF YEARLY	UNIT - 1 : Changing Trends & Career in Physical Education UNIT - 2 : Olympism UNIT - 3 Yoga UNIT - 4: "Physical Education & Sports for CWSN (Children with Special Needs - Divyang) UNIT - 5 : Physical Fitness, Health & Wellness
UT 2	UNIT - 1 : Changing Trends & Career in Physical Education UNIT - 2 : Olympism UNIT - 3 Yoga UNIT - 4: "Physical Education & Sports for CWSN (Children with Special Needs - Divyang) UNIT - 5 : Physical Fitness, Health & Wellness UNIT 6: Test, Measurement & Evaluation UNIT - 7: Fundamentals of Anatomy, Physiology in sports UNIT - 8: Fundamentals Of Kinesiology in Sports, Bio-Mechanics in sports
ANNUAL	Full Syllabus

FOOD NUTRITION & DIETETICS

EXAM NAME	CHAPTER NAME/ NUMBER
UT 1	Unit 1 : Communication Skills-III Unit 2 : Self-Management Skills-III
HALF YEARLY	Employability Skills Unit 1 : Communication Skills-III Unit 2 : Self-Management Skills-III Unit 3 : ICT Skills-III Unit 4 : Entrepreneurial Skills-III Unit 5 : Green Skills-III
UT 2	Subject Specific Skills Unit 1: Food and Nutrition: Basic Concepts Unit 2: Nutrition through the Life Cycle
ANNUAL	Subject Specific Skills Unit 1: Food and Nutrition: Basic Concepts Unit 2: Nutrition through the Life Cycle Unit 3: Public Health and Nutrition: Basic Concept Unit 4: Public Health and Nutrition Disorders Unit 5 : Public Health and Nutrition: Programmes and Policies Unit 6: Nutrition Education, Communication and Behaviour Change

YOGA

EXAM NAME	CHAPTER NAME/ NUMBER
UT 1	Unit 1 Introduction to yoga and yogic practices and Employability skills.
HALF YEARLY	Unit 1: Introduction to yoga and yogic practices and employability skills Unit 2: Introduction to yoga texts and employability skills.
UT 2	Unit 2: Introduction to yoga texts and employability skills.
ANNUAL	Unit 2: Introduction to yoga texts and employability skills. Unit 3: Yoga for health promotion and employability skills.

ECONOMICS

EXAM NAME	CHAPTER NAME/ NUMBER
UT 1	<p>Part A Statistics for Economics</p> <p>1.Introduction</p> <p>2.Collection, Organisation and Presentation of Data</p> <p>3.Statistical Tools and Interpretation – Arithmetic Mean, Median and Mode.</p>
HALF YEARLY	<p>Part A Statistics for Economics</p> <p>1.Introduction</p> <p>2.Collection, Organisation and Presentation of Data</p> <p>3.Statistical Tools and Interpretation – Arithmetic Mean, Median and Mode</p> <p>Part B Introductory Microeconomics</p> <p>1.Introduction</p> <p>2.Consumer's Equilibrium and Demand</p>
UT 2	<p>Part A Statistics for Economics</p> <p>1.Statistical Tools and Interpretation – Measures of Dispersion,</p> <p>2.Correlation, Index Number</p>
ANNUAL	<h1>Full Syllabus</h1>