

# SYLLABUS 2024-25

## CLASS-9

<b>SUBJECT - MATHS - 2024-25</b>	
<b>NAME OF THE BOOK - CONCISE MATHEMATICS - IX</b>	
<b>MONTHS</b>	<b>CHAPTERS</b>
MARCH	2. COMPOUND INTEREST (WITHOUT USING FORMULA) 3. COMPOUND INTEREST (USING FORMULA)
APRIL	15. Construction of Polygons (Project) 4. EXPANSION 5. FACTORISATION
JUNE	6. SIMULTANEOUS (LINEAR) EQUATION 7. INDICIES (EXPONENTS) 8. LOGARITHIMS
JULY	9. TRIANGLES 10. ISOSCELES TRIANGLES 12. MID POINT THEOREM AND ITS CONVERSE <b>QUARTERLY EXAMINATION – CHAPTER 2, 3, 4, 5, 6 7, 15</b>
AUGUST	18. STATISTICS 19. MEAN AND MEDIAN 20. AREA AND PERIMETER OF PLANE FIGURES <b>HALF YEARLY EXAMINATION CHAPTER 2,3,4,5,6,7,8,9,10,12,18,19,20</b>
SEPTEMBER	13. PYTHAGORAS THEOREM 14. RECTILINEAR FIGURES 21. SOLIDS
OCTOBER	16. AREA THEOREM 17. CIRCLES
NOVEMBER	22. TRIGNOMETRICAL RATIOS 23. TRIG. RATIOS OF STANDARD ANGLES 24. SOLUTIONS OF RIGHT TRIANGLES 25. COMPLEMENTARY ANGLES 15. CONSTRUCTION OF POLYGONS
DECEMBER	26. CO- ORDINATE GEOMETRY 27. GRAPHICAL SOLUTIONS
JANUARY	28. DISTANCE FORMULA 11. INEQUALITIES REVISION ENTIRE SYLLABUS
FEBRUARY	<b>FINAL EXAM (ALL CHAPTERS)</b>

<b>SUBJECT - PHYSICS - 2024-25</b>	
<b>NAME OF THE BOOK - ICSE PHYSICS</b>	
<b>MONTHS</b>	<b>CHAPTERS</b>
MARCH	CHAPTER-1 - MEASUREMENTS AND EXPERIMENTATION CHAPTER-2 - MOTION IN ONE DIMENSION
APRIL	CHAPTER-3 - LAWS OF MOTION
JUNE	CHAPTER-4 - PRESSURE IN FLUIDS AND ATMOSPHERIC PRESSURE QUATERLY EXAM OF CHAP – 1 to 3
JULY	CHAPTER-5 - UPTHURST IN FLUIDS, ARCHIMEDE'S PRINCIPLE AND FLOATATION
AUGUST	CHAPTER-6 - HEAT AND ENERGY CHAPTER-7 - REFLECTION OF LIGHT
SEPTEMBER	CHAPTER-8 - PROPAGATION OF SOUND WAVES HALF YEARLY EXAM OF CHAP- 1 to 7
OCTOBER	CHAPTER-9 - CURRENT ELECTRICITY
NOVEMBER	CHAPTER-10 - MAGNETISM
DECEMBER	REVISION
JANUARY	REVISION
FEBRUARY	FINAL EXAM

<b>SUBJECT - CHEMISTRY - 2024-25</b>	
<b>NAME OF THE BOOK - CONCISE CHEMISTRY-IX</b>	
<b>MONTHS</b>	<b>CHAPTERS</b>
MARCH	CHAPTER - 7: STUDY OF GAS LAWS CHAPTER - 1: LANGUAGE OF CHEMISTRY
APRIL	(CHAPTER -1 CONTINUE.....) REVISION
JUNE	CHAPTER - 9: PRACTICAL WORK
JULY	CHAPTER - 2: CHEMICAL CHANGES AND REACTIONS
AUGUST	CHAPTER - 4: ATOMIC STRUCTURE AND CHEMICAL BONDING CHAPTER - 5: HYDROGEN (H <sub>2</sub> )
SEPTEMBER	(CHAPTER -5 CONTINUE.....) REVISION
OCTOBER	CHAPTER - 6: PERIODIC TABLE
NOVEMBER	CHAPTER - 3: WATER
DECEMBER	CHAPTER - 8: ATMOSPHERIC POLLUTION
JANUARY	ALL CHAPTERS REVISIONS
FEBRUARY	COMMENCEMENT OF ANNUAL - 2025 EXAMINATION

<b>SUBJECT - BIOLOGY - 2024-25</b>	
<b>NAME OF THE BOOK - CONCISE BIOLOGY-IX</b>	
<b>MONTHS</b>	<b>CHAPTERS</b>
MARCH	1. CELL 2. TISSUE 3. HEALTH ORGANIZATIONS
APRIL	4. FLOWER 5. POLLINATION AND FERTILISATION
JUNE	6. SEEDS- STRUCTURE AND GERMINATION
JULY	7. RESPIRATION IN PLANTS 8. THE RESPIRATORY SYSTEM <b>QUARTERLY EXAMINATION (CHAPTER 1 TO 6)</b>
AUGUST	9. NUTRITION 10. AIDS TO HEALTH <b>HALF-YEARLY EXAMINATION (Chapter 1 to Chapter 10)</b>
SEPTEMBER	11. DIGESTIVE SYSTEM 12. ECONOMIC IMPORTANCE OF BACTERIA AND FUNGI
OCTOBER	13. MOVEMENT AND LOCOMOTION (SKELETON)
NOVEMBER	14. DISEASES: CAUSE AND CONTROL
DECEMBER	15. SKIN – “THE JACK OF ALL TRADES” 16. HYGIENE- [A KEY TO HEALTHY LIFE]
JANUARY	REVISION
FEBRUARY	<b>ANNUAL EXAMINATION</b>

<b>SUBJECT - ECONOMICS - 2024-25</b>	
<b>NAME OF THE BOOK - ICSE ECONOMIC APPLICATION</b>	
<b>MONTHS</b>	<b>CHAPTERS</b>
MARCH	LESSON-1 DEFINITIONS OF ECONOMICS. LESSON-2 BASIC CONCEPT OF ECONOMICS.
APRIL	LESSON-3 BASIC PROBLEMS OF AN ECONOMY. LESSON-4 TYPE OF ECONOMICS.
JUNE	LESSON-5 AN OVERVIEW OF INDIAN ECONOMY.
JULY	LESSON-6 SECTORS OF INDIAN ECONOMY. LESSON-7 PUBLIC AND PRIVATE SECTORS IN INDIAN ECONOMY. <b>Quarterly Examination Chapter 1 to Chapter 5</b>
AUGUST	LESSON-8 ENVIRONMENT AND AGRICULTURE. LESSON-9 MEASURES TO CHECK ECO-SYSTEM. LESSON-10 IMPACT OF INDUSTRIAL PRACTICES ON THE ECOSYSTEM.
SEPTEMBER	LESSON-11 IMPACT OF INDUSTRIAL WASTE AND ITS ACCUMULATION. <b>Half Yearly Examination Chapter 6 to Chapter 10</b>
OCTOBER	LESSON-12 ECO-FRIENDLY TECHNOLOGIES. LESSON-13 WASTE DISPOSAL METHODS.
NOVEMBER	LESSON-14 ABATEMENT OF POPULATION. LESSON-15 INFRASTRUCTURE OF INDIAN ECONOMY. LESSON-16 CONSUMER AWARENESS.

DECEMBER	LESSON-17 GLOBALIZATION. LESSON-18 WORLD TRADE ORGANISATION (WTO) MULTINATIONAL CORPORATIONS (MNCs)
JANUARY	REVISION
FEBRUARY	ANNUAL EXAMINATION (Chapter 11 to Chapter 18)

<b>SUBJECT - HISTORY &amp; CIVIC - 2024-25</b>	
<b>NAME OF THE BOOK - TOTAL HISTORY</b>	
<b>MONTHS</b>	<b>CHAPTERS</b>
MARCH	LESSON-1- OUR CONSTITUTION. LESSON-2- SALIENT FEATURES OF THE CONSTITUTION-I LESSON-3- SALIENT FEATURES OF THE CONSTITUTION- II
APRIL	LESSON-4- HARAPPAN CIVILIZATION. LESSON-5- THE VEDIC PERIOD.
JUNE	LESSON-6- ELECTIONS. JULY - QUARTERLY EXAMINATION LESSON -1- OUR CONSTITUTION LESSON -2- SALIENT FEATURES OF THE CONSTITUTION -I LESSON -3- SALIENT FEATURES OF THE CONSTITUTION -II LESSON -4-HARAPPAN CIVILIZATION LESSON -5-THE VEDIC PERIOD
JULY	LESSON-7- JAINISM AND BUDDHISM. LESSON-8- THE MAURYAN EMPIRE.
AUGUST	LESSON-9- THE LOCAL SELF-GOVERNMENT-RURAL. LESSON-10-THE LOCAL SELF-GOVERNMENT-URBAN. SEPTEMBER - HALF YEARLY LESSON-1- ELECTION LESSON -2- JAINISM AND BUDDHISM LESSON -3- THE MAURYAN EMPIRE LESSON -4- THE LOCAL SELF GOVERNMENT-URBAN LESSON - 5- THE LOCAL SELF GOVERNMENT-RURAL
SEPTEMBER	LESSON-11- THE SANGAM AGE. LESSON-12- THE AGE OF THE GUPTAS.
OCTOBER	LESSON-13- THE CHOLAS. LESSON-14- THE DELHI SULTANATE.
NOVEMBER	LESSON-15- THE MUGHAL EMPIRE. LESSON-16- RENAISSANCE. LESSON-17- REFORMATION.
DECEMBER	LESSON-18- INDUSTRIAL REVOLUTION.
JANUARY	REVISION
FEBRUARY	Annual examination Lesson -1- The Sangam age Lesson -2- The age of the Guptas Lesson -3-The Delhi sultanate Lesson-4- The Mughal Empire

Lesson -5- Renaissance Lesson -6- Reformation Lesson -7- Industrial Revolution
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<b>SUBJECT - GEOGRAPHY- 2024-25</b>	
<b>NAME OF THE BOOK: TEXT BOOK OF GEOGRAPHY</b>	
<b>MONTHS</b>	<b>CHAPTERS</b>
MARCH	EARTH AS A PLANET
APRIL	EARTH'S GRID (LATITUDE AND LONGITUDE) MOTION OF THE EARTH (ROTATION AND REVOLUTION)
JUNE/JULY	STRUCTURE OF EARTH WORLD MAP (NATURAL VEGETATION, WATER BODIES, CLIMATIC ZONE) <b>QUARTERLY EXAM</b>
AUGUST	LAND FORMS OF THE EARTH
SEPTEMBER	VOLCANOES AND EARTHQUAKES WEATHERING AND EROSION WORLD MAP (MOUNTAINS, RIVER) <b>HALF YEARLY EXAM</b>
OCTOBER	THE HYDROSPHER EARTH ATMOSPHERE AND INSOLATION
NOVEMBER	WASTE MANAGEMENT (1,2,3) ATMOSPHERIC PRESSURE AND WIND SYSTEM WORLD MAP (PLATEAUS, PLAIN, DESERT AND GRASSLAND)
DECEMBER	HUMIDITY AND RAINFALL POLLUTION
JANUARY	NATURAL REGIONS OF THE WORLD WORLD MAP (REVISION)
FEBRUARY	<b>ANNUAL EXAMINATION</b>

<b>SUBJECT - ODIA- 2024-25</b>	
<b>NAME OF THE BOOK - ICSE GYANANJALI ODIYA BOOK ଶାନ୍ତାଞ୍ଜଳୀ</b>	
<b>MONTHS</b>	<b>CHAPTERS</b>
MARCH	L-1- ଗାନ୍ଧାରୀର ଆଶୀର୍ବାଦ ।(ପଢ୍ୟ)
APRIL	L-3- ଶିକାର ।(ଗଢ୍ୟ) L-2- କାଳିଜାଇ ।(ପଢ୍ୟ)
JUNE	L-2- ଭଦ୍ରଲୋକ ।(ଗଢ୍ୟ)
JULY	L-3- ମହିମା ।(ପଢ୍ୟ) ଦରଖାସ୍ତ । <b>QUARTERLY EXAM</b>

AUGUST	L-1- ଧୂଳିଆ ବାବା।(ଗଦ୍ୟ) L-4- ବନଫୁଲ ଉଦ୍ୟାନ କୁସୁମ।(ପଦ୍ୟ)
SEPTEMBER	L-4- କୃପାଣ।(ଗଦ୍ୟ) ପତ୍ତଲିଖନ। <b>HALF-YEARLY EXAM</b>
OCTOBER	L-5- ଗରିବର ଦୁର୍ଗାସ୍ତବ।(ପଦ୍ୟ)
NOVEMBER	L-5- ମୁଖାସ୍ତ୍ର।(ଗଦ୍ୟ)
DECEMBER	L-6- ଜଗତେ କେବଳ।(ପଦ୍ୟ)
JANUARY	REVISION
FEBRUARY	<b>ANNUAL EXAMINATION</b>

<b>SUBJECT - ENGLISH LANGUAGE - 2024-25</b>	
<b>NAME OF THE BOOK - TOTAL ENGLISH</b>	
<b>MONTHS</b>	<b>CHAPTERS</b>
MARCH	PRACTICE EXERCISE 1,2
APRIL	PRACTICE EXERCISE 3,4
JUNE	PRACTICE EXERCISE 4,5
JULY	PRACTICE EXERCISE 6,7 <b>QUARTERLY EXAM - PRACTICE EXERCISE 1,2,3,4,5</b>
AUGUST	PRACTICE EXERCISE 8,9 <b>HALF YEARLY EXAM - PRACTICE EXERCISE 6,7,8,9</b>
SEPTEMBER	PRACTICE EXERCISE 10,11
OCTOBER	PRACTICE EXERCISE 12,13
NOVEMBER	PRACTICE EXERCISE 14,15
DECEMBER	SPECIMEN PAPER
JANUARY	PRACTICE TEST PAPERS

<b>SUBJECT - ENGLISH LITERATURE - 2024-25</b>	
<b>NAME OF THE BOOK – PLAY JULIUS CAESAR</b>	
<b>TREASURE CHEST: A COLLECTION OF ICSE POEMS &amp; SHORT STORIES, PROSE POEME</b>	
<b>MONTHS</b>	<b>CHAPTERS</b>
MARCH	ACT 1 SCENE 1, SCENE 2 BONKU BABUS FRIEND LESSON 1 A WORK OF ARTIFICE LESSON 1
APRIL	ACT 1 SCENE 2 OLIVER ASKS FOR MORE LESSON 2
JUNE	ACT 1 SCENE 3 THE MODERN MILLIONAIRE LESSON 3 SKIMBLESHANKS: THE RAILWAY CAT LESSON 2
JULY	ACT 1 SCENE 2,3 I REMEMBER, I REMEMBER LESSON 3 <b>QUARTERLY EXAM - ACT 1 SCENE 1,2,3; LESSON 1,2; LESSON 1,2</b>
AUGUST	ACT 2 SCENE 2,3 THE HOME COMING LESSON 4 <b>HALF YEARLY EXAM - ACT 1 SCENE 1,2,3 ; LESSON 3,4; LESSON 1,2,3</b>
SEPTEMBER	ACT 2 SCENE 4

	A DOCTOR'S JOURNAL ENTRY FOR AUGUST 6, 1945 LESSON 4
OCTOBER	REVISION ACT 2 SCENE 1 THE BOY WHO BROKE THE BANK LESSON 5 WORK BOOK PRACTICE
NOVEMBER	SPECIMEN PAPERS/WORK BOOK WORK BOOK PRACTICE THE NIGHT MAIL LESSON 5
DECEMBER	PRACTICE EXERCISE PRACTICE WORK BOOK
JANUARY	SPECIMEN PAPER

<b>SUBJECT - HINDI - 2024-25</b>	
<b>NAME OF THE BOOK – SAHITYA SAGAR</b>	
<b>MONTHS</b>	<b>CHAPTERS</b>
MARCH	1.बात अठनी की 2. व्यावहारिक व्याकरण
APRIL	1. काकी 2. महायज्ञ का पुरस्कार 3. अपठित गद्यांश 4 निबंध
JUNE	1. नेताजी का चश्मा
JULY	1.अपना-अपना भाग्य 2.अपठित गद्यांश 3.पत्र लेखन 4. व्यावहारिक व्याकरण <b>QUARTERLY EXAM - L - 1,2,3 निबंध, अपठित गद्यांश, व्यावहारिक व्याकरण।</b>
AUGUST	1. बड़े घर की बेटी <b>HALF YEARLY EXAM - L- 1,2,3,4,5 व्यावहारिक व्याकरण, अपठित गद्यांश,पत्र लेखन।</b>
SEPTEMBER	1.संदेह 2. व्यावहारिक व्याकरण
OCTOBER	1 भीड़ में खोया आदमी 2 पत्र लेखन
NOVEMBER	1 भेड़ और भेड़िए 2 दो कलाकार
DECEMBER	1 निबंध 2 व्यावहारिक व्याकरण
JANUARY	REVISION
FEBRUARY	<b>ANNUAL EXAMINATION</b>

<b>SUBJECT - ROBOTICS &amp; ARTIFICIAL INTELLIGENCE- 2024-25</b>	
<b>NAME OF THE BOOK - ROBOTICS &amp; ARTIFICIAL INTELLIGENCE CLASS-9</b>	
<b>MONTHS</b>	<b>CHAPTERS</b>
MARCH	1- PART-I (ROBOTICS) CHAPTER-I INTRODUCTION TO ROBOTICS → UNDERSTANDING ROBOTS → GENERATION AND ETHICS → DIFFERENT LAWS AND CLASSIFICATION OF ROBOTICS, FUTURE OF ROBOTS AND ROBOTICS 2- PART-II CHAPTER-III INTRODUCTION TO DATA AND PROGRAMMING WITH PYTHON LANGUAGE → INTRODUCTION TO DATA & TYPES → FACILITATION WITH PYTHON → WORKING WITH PYTHON, DATA TYPES AND OPERATORS USED IN PYTHON & WITH GENERAL PROGRAMS → LAB WORK – PROGRAM PRACTICE IN THE LAB
APRIL	3- PART-II CHAPTER-II ROLE OF DATA AND INFORMATION, EVOLUTION OF COMPUTING → WHAT IS DATA, ROLE OF DATA IN INFORMATION PROCESSING AND PROBLEM DETERMINATION. → DATA TO INFORMATION USING DIFFERENT TECHNIQUES 4- PART-II CHAPTER-III PROGRAMMING WITH PYTHON LANGUAGE → CONTINUATION OF PYTHON PROGRAMS RELATED TO METHODOICAL APPROACH, GEOMETRICAL APPROACH
MAY-JUNE	5- PART-II CHAPTER-III PROGRAMMING WITH PYTHON LANGUAGE → LAB WORK – PYTHON PROGRAMMING
JULY	6-PART-I (ROBOTICS) CHAPTER-I INTRODUCTION TO ROBOTICS → COMPONENTS OF ROBOTS → HISTORY OF ROBOTS → DIFFERENT CATEGORIES OF ROBOTS <b>QUARTERLY EXAM</b>
AUGUST	7- PART-II CHAPTER-III PROGRAMMING WITH PYTHON LANGUAGE → CONTROL STATEMENTS → CONDITIONAL STATEMENTS → PROGRAMMING USING CONDITIONAL STATEMENTS → LAB WORK – PYTHON PROGRAMMING 8- PART-I (ROBOTICS) CHAPTER-II INTRODUCTION TO ROBOTICS → BUILDING BLOCKS OF ROBOTS → EXAMPLES AND IDENTIFY. OF ROBOTS → RELATED EXERCISE PRACTICE 9- PART-II CHAPTER-III PROGRAMMING WITH PYTHON → ITERATION STATEMENTS USED IN PYTHON → USE OF FOR AND WHILE LOOP IN PYTHON. <b>HALF YEARLY EXAM</b>
SEPTEMBER	11- PART-II CHAPTER-III PROGRAMMING WITH PYTHON LANGUAGE → MORE PROGRAMS OF LOOPING → LAB WORK – PYTHON PROGRAMMING 12- PART-II (ARTIFICIAL INTELLIGENCE) CHAPTER-I INTRODUCTION TO ARTIFICIAL INTELLIGENCE. → AI BIAS → ETHICAL ISSUES OF AI → RELATED EXERCISE WORK
OCTOBER	13- PART-II CHAPTER-III PROGRAMMING WITH PYTHON LANGUAGE → CONCEPT OF NESTED LOOP. → DIFFERENT TYPE OF PROGRAMS USING NESTED LOOP. → LAB WORK – PYTHON PROGRAMMING. PART-I (ROBOTICS) CHAPTER-III CONCEPTS IN ROBOTICS → CONCEPT OF ROBOTICS → JOINTS IN ROBOTICS. → DEGREE OF FREEDOM IN ROBOTICS.
NOVEMBER	14- PART-II CHAPTER-III PROGRAMMING WITH PYTHON LANGUAGE. FUNCTIONS → CONCEPT OF USER DEFINE FUNCTIONS IN PYTHON. → DECLARATION AND CALLING A FUNCTION. → LAB WORK OF FUNCTION PROGRAMS. PART-I (ROBOTICS) CHAPTER-III CONCEPTS IN ROBOTICS → CONCEPT OF MOTION IN ROBOTICS. → CONCEPTS OF LINKS IN ROBOTICS.
DECEMBER	15- PART-II CHAPTER-III PROGRAMMING WITH PYTHON LANGUAGE -FUNCTION → JUMPING STATEMENTS USED IN PYTHON → TYPE OF ARGUMENTS. → LAB WORK



	<p>OF FUNCTION PROGRAMS.</p> <p>16- PART-II CHAPTER-IV CONCEPT OF AI AND USE OF AI CONCEPT IN SCHOOL LEVEL PROJECTS BY STUDENTS → DEMO OF READYMADE PROJECTS IN USING AI CONCEPT. → STUDENTS WILL PREPARE MINOR PROJECTS USING AI (IF FEASIBILITY ALLOWS)</p>
JANUARY	REVISION WORK PART-I ROBOTICS PORTIONS. PART-II AI & PYTHON PROGRAMMING PORTIONS.
FEBRUARY	<b>ANNUAL EXAMINATION</b>