ST. JOSEPH'S CONVENT HR. SEC. SCHOOL, SAMBALPUR

SYLLABUS 2026-2027

CLASS 9 ENGLISH LANGUAGE

BOOK	TOTAL ENGLISH
MONTHS	**CHAPTER**
March- April	Practice Paper 1, 2
June	Practice Paper 3, 4
July	Practice Paper 5, 6
QUARTERLY EXAMINATION PRACTICE PAPER 1, 2, 3, 4, 5	
August	Practice Paper 7, 8
September	Practice Paper 9, 10
HALF YEARLY EXAMINATION PRACTICE PAPER 6, 7, 8, 9, 10	
October	Practice Paper 11, 12
November- December	Practice Paper 13, 14, 15 Specimen Paper Practice
January	**ANNUAL EXAMINATION** PRACTICE PAPER 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15

CLASS 9 ENGLISH LITERATURE
2026-2027

BOOK	TREASURE CHEST: A COLLECTION OF ICSE POEMS & SHORT STORIES, JULIUS CAESAR: RATNA SAGAR PUBLICATIONS (VERITY EDITION)
MONTHS	**CHAPTER**
March-April	Prose: L-1 Bonku Babu's Friend Poetry: L-2 Skimbleshanks: The Railway Cat Julius Caesar: Act 1: Scene 1
June	Prose: L-2 Oliver Asks For More Poetry: L-3 I Remember, I Remember Julius Caesar: Act 1: Scene 2
July	Julius Caesar: Act 1: Scene 2, 3
QUARTERLY EXAMINATION Prose: L-1, L-2 Poetry: L-2, L-3 Julius Caesar Act 1: Scene 1, 2	
August	Poetry: L-4 A Doctor's Journal Entry For August 6, 1945 Prose: L-3 The Model Millionaire Julius Caesar: Act 1: Scene 3
September	Poetry: L-5 The Night Mail Prose: L-4 The Homecoming Julius Caesar: Act 2: Scene 1
HALF YEARLY EXAMINATION Julius Caesar: Act 1: Scene 1,2 & 3 Prose L-1, L-2, L-3 Poetry - L-2, L-3, L-4	
October	Julius Caesar: Act 2: Scene 1 Prose: L-5 The Boy Who Broke The Bank Poetry: L-1 A Work Of Artifice
November-December	Julius Caesar: Act 2: Scene 2, 3, 4 Revisions
January	**ANNUAL EXAMINATION** Prose: L-1, L-2, L-3, L-4, L-5 Poetry: L-1, L-2, L-3, L-4, L-5 Julius Caesar: Act 1: Scene 1, 2, 3, Act 2: Scene 1, 2, 3, 4

CLASS 9 PHYSICS
2026-2027

BOOK	
MONTHS	**CHAPTER**
March -April	**Chapter - 1 Measurements and Experiments** **Chapter - 2 Motion in One dimension** **Chapter - 3 Laws of motion**
QUARTERLY EXAMINATION **Chapter 1, 2,3**	
June- July	**Chapter – 4 Pressure in Fluids** **Chapter - 5 Upthrust in fluids**
August	**Chapter – 5 Archimede's Principle** **Revision for Half yearly Examination**
HALF YEARLY EXAMINATION CHAPTERS 1 TO 5	
September	**Chapter – 6 Heat and Energy** **Chapter – 7 Energy flow**
October	**Chapter – 8 Light** **Chapter – 9 Sound**
November	**Chapter - 10 Electricity** **Chapter - 11 Magnetism**
December	**Revision for Annual examination**
January	ANNUAL EXAMINATION: CHAPTER 1 TO 11

CLASS 9 CHEMISTRY
2026-2027

BOOK	A New Approach to ICSE Chemistry - I
MONTHS	**CHAPTER**
March	**Chapter -1** **Language of chemistry**
April	**Chapter -2** **Chemical changes and Reactions.**
QUARTERLY EXAMINATION (Chapter -1 and 2)	
June	**Chapter -9** **Practical work**
July	**Chapter -4** **Atomic structure**
August	**Chapter -5** **Hydrogen**
HALF YEARLY EXAMINATION **(CHAPTER – 4,5 & 9)**	
September	**Chapter-3** **Water**
October	**Chapter - 6** **Periodic table**
November	**Chapter -7** **Study of Gas laws.**
December	**Chapter -8** **Atmospheric pollution**
January	ANNUAL EXAMINATION **(Chapter -2,3,4,5,6,7,8 & 9)**

CLASS 9 BIOLOGY
2026-2027

BOOK	A NEW APPROACH TO ICSE BIOLOGY GOYALS BROTHERS
MONTHS	**CHAPTER**
March- April	1. Introduction to biology 2. The Cell 3. The tissues
QUARTERLY EXAMINATION 1. Introduction to biology 2. The Cell 3. The tissues.	
July- September	1. Nutrition 2. Flower 3. Pollination and Fertilisation 4. Seed: Structure And function 5. Economic importance of bacteria and fungi.
HALF YEARLY EXAMINATION 1.Nutrition 2.Flower 3.Pollination and Fertilisation 4.Seed: Structure And function 5.Economic importance of bacteria and fungi.	
October- December	1. Digestive system 2. Respiration in Plants 3. Respiratory system 4. Skeleton Movement and Locomotion 5. Structure and function of Skin 6. Health and Hygiene
January	ANNUAL EXAMINATION

CLASS 9 HISTORY & CIVICS
2026-2027

BOOK	Total History
MONTHS	**CHAPTER**
March	1. The Harappan Civilization
April	2. Our Constitution
QUARTERLY EXAMINATION 1.The Harappan Civilization 2.Our Constitution 3.The Vedic Period 4.Salient features of the Constitution -I	
June	3. The Vedic Period
July	4. Salient features of the Constitution -I 5. Salient features of the Constitution – II
August	6. Jainism and Buddhism 7. The Mauryan Empire 8. Salient features of the Constitution -II
September	9. 1.Elections 10. 2.The Sangam Age
HALF YEARLY EXAMINATION 1. Jainism and Buddhism 2. The Mauryan Empire 3. Salient features of the Constitution -II 4. Elections 5. The Sangam Age	
October	11. State Legislature 12. The Age of the Guptas
November	13. The Cholas 14. The Delhi Sultanate 15. The Mughal Empire
December	16. Renaissance 17. Reformation 18. Industrial Revolution
January	**ANNUAL EXAMINATION** 1.State Legislature 2.The Age of the Guptas 3.The Cholas 4.The Delhi Sultanate 5.The Mughal Empire 6.Renaissance 7.Reformation 8.Industial Revolution
Project	Composite Culture

CLASS 9 GEOGRAPHY
2026-2027

BOOK	EXPEDITIONS GEOGRAPHY FOR ICSE BY PEARSON
MONTHS	**CHAPTER**
March	Ch-1 Earth As Planet
April	Ch-2 Earth's Grid (Latitude And Longitude, Great Circle And Small Circle)
June	Ch-3 Motion Of The Earth
July	Ch-4 Structure And Materials Of The Earth Ch-5 The Landform Of The Earth Practice Of World Map (Natural Vegetation, Water Bodies, Climatic Zone)
QUARTELY EXAMINATION **(CH-1,2,3,4,)**	
August	Ch-6 Rocks Ch-7 Volcano Ch-8 Earthquackes
September	Ch-9 Weathering And Denudation Practice Of World Map (Mountains And Rivers)
HALF YEARLY EXAMINATION **(CH-5,6,7,8,9)**	
October	Ch-10 Hydrosphere Ch-11 Composition And Structure Of The Atmosphere
November	Ch-12 Insolation Ch-13 Atmosphere Pressure And Wind Systems
December	Ch-14 Humidity And Percipitation
January	Practice Of World Map And Revision
	ANNUAL EXAMINATION **CH-9,10,11,12,13,14)**

CLASS 9 MATHEMATICS
2026-2027

BOOK	
MONTHS	**CHAPTER**
March	2. Compound Interest
April	11. Construction of Polygons (Project) 3. Expansion
June	6. Indices (Exponents) 4. Factorization
	QUARTERLY EXAMINATION Chapter 2, 3, 15 and 6
July	4. Factorization (contd.) 5.Simultaneous Linear Equation 7.Logarithm
August	8. Triangles 10.Pythagoras Theorem 15.Frequency Distribution 16.Mean and Median of ungrouped Data and Frequency polygon
	HALF YEARLY EXAMINATION Chapter 4, 5, 7, 8, 10, 15, 16
September	9. Mid-point theorem and Intercept theorem 17. Perimeter and Area of plane figures 18. Circumference and Area of circles
October	19.Volume and surface area of solids 15.Trigonometric Ratios
November	15.Trigonometric Ratios (contd.) 21.Co-ordinate Geometry 13.Chord Properties of circle 14.Arc Properties of Circles
December	12.Areas of Parallelogram and Triangles 11.Quadrilaterals 1.Rational and Irrational Numbers Revision
January	**ANNUAL EXAMINATION** Final Exam: Chapters: 9, 17, 18, 19, 15, 21, 13, 14, 22, 11 and 7

CLASS 9 ROBOTICS AND ARTIFICIAL INTELLIGENCE
2026-2027

BOOK	Orange Publication
MONTHS	**CHAPTER**
March	1. Introduction to Robotics **(i) Understanding Robots.** Basic understanding of what a robot is; definition and characteristics; benefits of using robots (with respect to humans): increased quality, increased productivity, increased efficiency, longer working span, working in hazardous environments, improved workplace. **(ii) Evolution of Robots; Laws of Robotics.** Brief history of Robots with respect to their evolution from 1900's till date. Definition of Robotics, the three Laws of Robotics by Isaac Asimov (statements only). **(iii) Classification of Robots.** Classification of Robots as: field/terrain based (arial, ground, underwater) and control based (manual, automatic): Meaning and examples of each. Bio-inspired robots: meaning, purpose and examples (humanoids, birds, snakes and insects). **(iv) Real world Robots and their applications.** Application of robots in different fields (domestic, industry, medical, defense, entertainment and agriculture) with at least one example of each.
April	4. Introduction to Artificial Intelligence (AI) **Meaning and brief history.** Definition of Artificial Intelligence; brief account of the history of AI since the time John McCarthy first coined the term in 1956; Turing Test, its use and importance. **(ii) Applications and Benefits of AI.** Applications of AI in different fields: commercial, industry, medical/health care, defense, banking, entertainment, transport, security and agriculture. Commonly used AI applications in daily life such as, online shopping, search engines, chatbots, voice assistants, entertainment portals, facial recognition, driver assisting vehicles, augmented/ virtual reality. Benefits of using AI - Automation, smart decision making, assisting humans, remote patient monitoring & monitoring the progression of contagious diseases, analysis of data for research and development, efficiently solving complex problems, speedy disaster recovery strategy, performing recurring business tasks, reducing the chances of manual errors, ensuring 24-hour service availability with the same performance and consistency throughout the day. **(iii) Ethical considerations in AI.** A brief understanding of ethics in artificial intelligence including bias, prejudice, fairness, accountability, transparency, interpretability and explainability.
June	Introduction to Data and Programming with Python **(i) Familiarization with Python.** Introduction to Python and its elementary concepts: object-oriented, high-level, general purpose programming language. Uses and advantages of Python. **(ii) Introduction to data types and variables.** Introduction to a simple python program structure and the concept of indentation in Python, different data types in Python - numeric (int, float), Boolean, sequence type (tuple, list, strings), sets and

	dictionary, an understanding of what kind of data types should be used in different use cases. Introduction to variables and assignment of values. **(iii) Introduction to Operators.** Usage of different operators (arithmetic, logical, assignment, comparison, identity, membership) on data types, kind of statements which can be executed in Python. **(vi) General programming in Python platform**
July	**Robot as a System** General block diagram of a robot. A detailed study of the building blocks of a robot. Concept of a robot as having mechanical, electronic and computational blocks; functioning and working principle of each block. Design aspects using examples of humanoid, aerial, underwater and mobile robots. **(ii) Identification of Robots.** Identification of robots (through demonstration/ video/graphic details). Illustration using an industrial robot (e.g., Industrial Robotic Arm), humanoid and mobile robot. The idea that a mechanical body can be of any form must be emphasized.
August	08. **Role of Data and Information, Evolution of Computing** **(i) Data and Information:** Types of Data (audio, visual, numeric, text); Data to Information. Understanding that data is pivotal to Artificial Intelligence. A brief introduction to how relevant data is identified, acquired, and explored, as a precursor to the AI Project Cycle. **(ii) Evolution of Computing:** Pre AI/ML Binary Logic System, Conditional Gates, Deterministic computing for deterministic problems. An introduction to above mentioned topics, with the emphasis that earlier computing was suited for only deterministic problems; explaining deterministic computing and deterministic problems giving relevant examples. Illustrating the limitations of deterministic computing in solving real life problems, Comparison between deterministic and probabilistic nature of real-life problems.
September	9. **Introduction to Data and Programming with Python** Introduction to blocks in Python, if conditions, if else conditions, nested if conditions, if-else-if (elif) conditional block, case and switch. Shorthand conditional statements. **(v) Control Statements.** Meaning and use of loops in python. Different types of loops (while, for), nested loops, syntax used. 'for' loop for different types of iterables (list, tuple, string, dictionary) along with the idea of break, continue and pass statements, 'while' loop and their use cases.
HALF YEARLY EXAMINATION	
October	**Concepts in Robotics** **i) Types of motion; motion in one-dimension and two-dimension; types of joints and links.** Types of motion (linear, angular, and circular); a brief understanding of motion in one-dimension and two-dimension; types of joints (prismatic, revolute, and spherical); types of links (rigid and soft). Relevant examples for each of the above. **(ii) Using links and joints to create specific motion.**

	A detailed study of how links and joints help create specific motion. Identification of links and joints used in a given system. Examples for the demonstration can include Industrial Robot Arms. **(iii) Degree of freedom of a robot** Definition; identification through illustration.
November	**(i) AI Concepts** Broad and narrow AI, strong versus weak AI. Expert systems in AI (for e.g., Eliza). Computer vision (CV), Natural Language Processing (NLP) and Neural Network (NN). **(ii) Components and Stages (alias AI Project Cycle).** Understanding of AI Project Framework, Stages involved in AI project: Problem Scoping, Data Acquisition, Data Exploration, Modelling and Evaluation (brief understanding of each).
December	**Functions in Python** An understanding of both built in and user defined functions; the importance of functions to maintain modularity; arguments given to a function (fixed and variable length); the concept of default arguments and return type of a function.
January	Revision Work for Final Examination ANNUAL EXAMINATION

CLASS 9 ECONOMIC APPLICATION
2026-2027

BOOK	ICSE Economic Applications By Anima Jain APC Publications
MONTHS	**CHAPTER**
March	Ch 1. Definitions of Economics.
April	Ch 2. Basic Concept of Economics Ch 3. Basic problems of an Economy
June	Ch.4 Type of Economies.
July	Ch. 5 An overview of Indian Economy Ch. 6 Sectors of Indian Economy. Ch. 7. Public and Private Sectors in Indian economy
Quarterly Examination Chapter 1 to Chapter 3	
August	Ch 8 Environment and Agriculture. Ch 9. Measures to check eco- system. Ch 10. Impact of Industrial practices on the ecosystem.
September	Ch 11. Impact of Industrial waste and Its accumulation. Ch. 12 Eco- friendly Technologies
HALF YEARLY EXAMINATION Chapter 4 to Chapter 9	
October	Ch 13. Waste Disposal Methods. Ch 14. Abatement of population. Ch 15. Infrastructure of Indian economy.
November	Ch 16. Consumer Awareness. Ch 17. Globalization Ch 18. World Trade Organisation and Multinational Corporations (MNCs)
December	Revision
January	**ANNUAL EXAMINATION**

CLASS 9 ODIA
2026-2027

BOOK	ଜ୍ଞାନାଞ୍ଜଳୀ
MONTHS	**CHAPTER**
March	L-1- ଗାନ୍ଧାରୀର ଆଶୀର୍ବାଦ।(ପଦ୍ୟ)
April	L-3- ଶିକାର।(ଗଦ୍ୟ)
June	L-3 କାଳିଜାଇ।(ପଦ୍ୟ)
July	L-2- ଭଦ୍ରଲୋକ।(ଗଦ୍ୟ) L-3- ମହିମା।।(ପଦ୍ୟ) ଦରଖାସ୍ତ।
QUARTERLY EXAMINATION	
August	L-1- ଧୂଳିଆ ବାବା।।(ଗଦ୍ୟ) L-4- ବନଫୁଲ ଉଦ୍ୟାନ କୁସୁମ।(ପଦ୍ୟ)
September	L-4 କୃପାଣ।(ଗଦ୍ୟ) ପତ୍ରଲିଖନ।
HALF YEARLY EXAMINATION	
October	L-5- ଗରିବର ଦୁର୍ଗାସ୍ତବ।(ପଦ୍ୟ)
November	L-5 ମୁଖାଗ୍ନି।(ଗଦ୍ୟ)
December	L-6- ଜଗତେ କେବଳ।(ପଦ୍ୟ)
January	ANNUAL EXAMINATION

CLASS 9 HINDI
2026-2027

BOOK	1. Sahitya Sagar 2. Saras Hindi Vyakaran
MONTHS	**CHAPTER**
March	1. बात अठन्नी 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
QUARTERLY EXAMINATION Lesson 1,2,3 निबंध, अपठित गद्यांश, व्यावहारिक व्याकरण।	
August	1. बड़े घर की बेटी
September	1 संदेह 2 व्यावहारिक व्याकरण
HALF YEARLY EXAMINATION L- 1,2,3,4,5	व्यावहारिक व्याकरण, अपठित गद्यांश,पत्र लेखन।
October	1 भीड़ में खोया आदमी 2 पत्र लेखन
November	1 भेड़ और भेडिए 2 दो कलाकार
December	1 निबंध
January	ANNUAL EXAMINATION