

SURENDRANATH CENTENARY SCHOOL, DIPATOLI, RANCHI-9
ANNUAL ASSESSMENT PLAN
Class- XI (2026-27)
SCIENCE STREAM

Subject Code	Subject
301	ENGLISH CORE
042	PHYSICS
043	CHEMISTRY
041	MATHEMATICS
044	BIOLOGY
083	COMPUTER SCIENCE
065	INFORMATICS PRACTICES
803	WEB APPLICATIONS
844	DATA SCIENCE
030	ECONOMICS
048	PHE
049	PAINTING
841	YOGA

ANNUAL ASSESMENT PLAN
CLASS – XI
ENGLISH CORE (301) 2026 - 27

EXAM	MARKS	DATE/MONTH	Name of BOOK	Chapter	Topics
Unit Test - 1	20	27/7/26	NCERT	HORNBIL: The Portrait of a Lady; A Photograph SNAPSHOTS: The Summer of the Beautiful White Horse WRITING: Speech GRAMMAR: Sentence Reordering	ALL TOPICS
Unit Test - 2	20	26/10/26	NCERT	HORNBIL: The Voice of the Rain; Discovering Tut... WRITING: Debate GRAMMAR: Tenses; Clauses (Gap Filling)	All topics
Unit test- 3	20	4/1/27	NCERT	HORNBIL: Father to Son SNAPSHOTS: Mother's Day; Birth WRITING: Advertisements GRAMMAR: Transformation of Sentences	All topics

Term - 1	80	17 th September 2026 to 30 th September 2026	NCERT	HORNBIL: The Portrait of a Lady; A Photograph; We're Not Afraid to Die...;The Laburnum Top; The Voice of the Rain; Discovering Tut... SNAPSHOTS: The Summer of the Beautiful White Horse; The Address WRITING: Poster; Speech; Advertisements; Debate; GRAMMAR: Sentence Reordering; Tenses and Clauses (Gap Filling); Transformation of Sentences Reading - Reading Comprehension Note-making and Summarisation	All topics
Final Term	80	Mid week of Feb	NCERT	HORNBIL: The Portrait of a Lady; A Photograph; We're Not Afraid to Die...;The Laburnum Top; The Voice of the Rain; Discovering Tut...; Childhood; The Adventure; Father to Son; Silk Road SNAPSHOTS: The Summer of the Beautiful White Horse; The Address; Mother's Day; Birth, The Tale of Melon City WRITING: Poster; Speech; Advertisements; Debate; GRAMMAR: Sentence Reordering; Tenses and Clauses (Gap Filling); Transformation of Sentences Reading - Reading Comprehension Note-making and Summarisation	All topics

ANNUAL ASSESSMENT PLAN - 2026-2027**CLASS – XI****SUBJECT-PHYSICS (042)**

EXAM	MARKS	DATE/ MONTH	NAME OF THE BOOK	CHAPTER	TOPIC
Unit Test I	25	03/08/26	NCERT & NCERT EXEMPLAR	1. Units and Measurements 2. Motion in a Straight Line 3. Motion in a Plane	• SI units, fundamental and derived units. significant figures, Dimensions of physical quantities, dimensional analysis and its applications. • Basic mathematics with complete prescribed syllabus of CBSE. • Complete Vectors Motion in a plane, cases of uniform velocity and uniform acceleration- projectile motion, uniform circular motion
Half Yearly Exam	70	17/09/26-30/09/26	NCERT & NCERT EXEMPLAR	All Above topics + 4. Laws of motion 5. Work, Energy and Power 6. System of Particles and Rotational Motion 7. Gravitation	• Inertia, Newton's laws of motion; friction, rolling friction, lubrication with complete prescribed syllabus of CBSE. • Work done by a constant force and a variable force; Complete concept and derivation of energy, work-energy theorem, elastic and

					inelastic collisions in one and two dimensions • Centre of mass of a two-particle system, Equilibrium of rigid bodies, rigid body rotation and equations of rotational motion, comparison of linear and rotational motions. • Kepler's laws of, universal law of gravitation. Acceleration due to gravity and its variation. Gravitational potential energy and gravitational potential, Complete prescribed syllabus of CBSE
Unit Test II	25	02/11/26	NCERT & NCERT EXEMPLAR	8.Mechanical Properties of Solids 9. Mechanical Properties of Fluids 10. Thermal Properties of Matter	• Elasticity, Stress-strain relationship, Hooke's law with different modulus of elasticity. • Hydrostatic and hydrodynamic • Concept of Heat, temperature C_p & C_v • Complete prescribed syllabus of CBSE
Unit test -III	25	11/01/27	NCERT & NCERT EXEMPLAR	11.Thermodynamics 12. Kinetic Theory	• Thermal equilibrium and definition of temperature, zeroth law of thermodynamics, heat, work and internal energy. First law of thermodynamics, Second law of

					thermodynamics:. Equation of state of a perfect gas.
Final exam.	70	Mid Feb.2027	NCERT & NCERT EXEMPLAR	All above topics 13.Oscillations 14. Waves	Periodic motion - time period, frequency, displacement as a function of time, periodic functions and their applications. Simple harmonic motion (S.H.M) Wave motion: Complete Concept Beats. Complete prescribed syllabus of CBSE

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ANNUAL ASSESMENT PLAN CLASS - XI (CHEMISTRY) 2026-27

EXAM	MARKS	DATE/MONTH	NAME OF BOOK	Chapter	Topics
Unit Test -1	25	10-08-2026	NCERT	2. Structure of Atom	All topics
Unit Test - 2	25	12-11-2026	NCERT	4.Chemical Bonding & Molecular Structure	All topics
				7.Redox Reaction	Balancing of redox reaction
Term - 1	70	17-09-2026	NCERT	1.Some basic concept of chemistry	All topics
				2.Structure of Atom	
				3.Classification of elements and periodicity of elements	
				4.Chemical bonding and molecular Structure	
				7.Redox Reaction	
Unit Test - 3	25	18-01-2026	NCERT	6.Equilibrium	All topics
				8.Some basic principles and Techniques of organic chemistry	IUPAC & ELECTRON DISPLACEMENT IN A CARBON CHAIN
Final term	70	3rd week February-27	NCERT	1.Some basic concepts of chemistry	All topics
				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 Reaction	
				8.Some basic principles and Techniques of organic chemistry	
				9.Hydrocarbons	

1) Rajesh Mishra

2) Sunil Kumar Singh

SURENDRANATH CENTENARY SCHOOL
ANNUAL ASSESSMENT PLAN
CLASS – XI
(MATHEMATICS-041) 2026 - 27

EXAM	MARKS	DATE/MONTH	Name of BOOK	Chapter	Topics
Unit Test - 1	25	17/08/2026	NCERT	SETS AND FUNCTIONS	ALL TOPICS
				TRIGONOMETRIC FUNCTIONS.	
Unit Test - 2	25	17/11/2026	NCERT	PERMUTATIONS AND COMBINATION	ALL TOPICS
				BINOMIAL THEOREM, SEQUENCE AND SERIES.	
Unit Test - 3	25	25/01/2027	NCERT	STRAIGHT LINES	ALL TOPICS
				CONIC SECTIONS	
Term - 1	80	17/09/2026 TO 30/09/2026	NCERT	SETS AND FUNCTIONS, TRIGONOMETRIC FUNCTIONS.	ALL TOPICS
				COMPLEX NUMBER AND QUADRATIC EQUATION.	
				LINEAR INEQUALITIES.	
				PERMUTATIONS AND COMBINATIONS.	
FINAL TERM	80	MID WEEK OF FEBRUARY'27 ONWARDS	NCERT	TERM 1 SYLLABUS AND...	ALL TOPICS
				BINOMIAL THEOREM.	
				SEQUENCE AND SERIES.	
				STRAIGHT LINES, CONIC SECTIONS	
				3-DIMENSIONAL GEOMETRY.	
				LIMITS AND DERIVATIVES.	
				STATISTICS.	
				PROBABILITY.	

ANNUAL ASSESSMENT PLAN CLASS – XI 2026-27 (BIOLOGY)

EXAM	MARKS	DATE/ MONTH	NAME OF THE BOOK	CHAPTER	TOPIC
Unit Test I	25	13.07.26	NCERT	Chapter 8 Cell – The Unit of Life Chapter 9 - Biomolecules Chapter 10-Cell cycle and cell division	Cell Theory, Prokaryotic and eukaryotic cells, Cell organelles Primary & secondary metabolites, Biomacromolecules up to enzymes Cell cycle, significance of mitosis and meiosis
Half Yearly Exam	70	September'26	NCERT	Chapter 1- Living Things Taxonomy and Systematics Chapter 2-Biological Classification Chapter 3- Plant Kingdom Chapter 4 -Animal Kingdom Chapter 5 – Morphology of Flowering Plants Chapter 6 Anatomy of flowering plants Chapter 7- Structural Organisation in Animals Chapter 8 Cell – The Unit of Life Chapter 9 - Biomolecules Chapter 10 Cell cycle and cell division	All Topics
Unit Test II	25	05.10.26	NCERT	Chapter 11-Photosynthesis in higher plants Chapter 12- Respiration in Plants	Site of Photosynthesis, Pigments, Electron Transport, C4 Pathway, Photorespiration, Factors affecting photosynthesis Glycolysis, Fermentation, Aerobic respiration, The Respiratory Balance Sheet, Respiratory Quotient
Unit Test III	25	07.12.26	NCERT	Chapter 14- Breathing and exchange of gases Chapter 15- Body fluids and circulation	Respiratory organs, Mechanism of breathing, Exchange of gases, Regulation of respiration, Respiratory disorders Blood, Lymph, Circulatory pathways, Double circulation, Regulation of cardiac activity, Circulatory disorders
Annual Exam	70	February'27	NCERT	Chapters- 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 & 19	All Topics

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ANNUAL ASSESMENT PLAN

CLASS – XI

(Computer Science) 2026 - 27

Exam	MARKS	DATE/MONTH	Name of Book	Chapter	Topics
UT- I	25	20/07/2026	Computer Science With Python	Basic computer organisation	Types of software , Operating System(OS), Boolean logic, Number System, Encoding Schemes
UT –II	25	12/10/2026		Computational Thinking and Programming-I	Flow of Control , Strings
Term – I	70	17/09/2026 onwards		Computer Systems and Organisation Computational Thinking and Programming-I	(a) Introduction to Problem-solving (b) Familiarization with the basics of Python programming (c) data types, operators, expressions, (d) Error (e) Flow of Control (f) Strings
UT - III	25	14/12/2026		Computational Thinking and Programming-I	(a) Lists (b)Tuples (c) Dictionary
Final Term	70	3 rd Week of Feb 2027		(a) Computer Systems and Organisation (b) Computational Thinking and Programming-I (c) Society, Law and Ethics	Types of software , Operating System(OS), Boolean logic, Number System, Encoding Schemes Flow of Control , Strings (a) Introduction to Problem-solving (b) Familiarization with the basics of Python programming (c) data types, operators, expressions, (d) Error (e) Flow of Control (f) Strings

Annual Assessment Plan (Class XI)
Informatics Practices - 065
Session:-2026-27

UT/TERM	Marks	Date/Month	Name Of The Book	Chapters	Topics
Unit Test I	25	13/07/2026	NCERT	Introduction to Computer System and Basics of Python Language	Introduction to computer and computing Input/output devices. Computer Memory Software: purpose and types Basics of Python programming, execution modes,
Term I	70	17/09/2025 onwards	NCERT	1. Introduction to Computer System 2. Introduction to Python Language	Introduction to computer and computing Input/output devices. Computer Memory Software: purpose and types Basics of Python programming, execution modes, Control Statements Lists: list operations - creating, initializing, traversing and manipulating lists, list methods and built-in functions – len(), list(), append(), insert(), count(), index(), remove(), pop(), reverse(), sort(), min(), max(), sum()
Unit Test II	25	17/11/2025	NCERT	Database concepts Structured Query Language (SQL)	Introduction to database concepts and its need, Database Management System. RDBMS Data Definition: CREATE DATABASE, CREATE TABLE, DROP, ALTER Data Query: SELECT, FROM, WHERE Data Manipulation: INSERT, UPDATE
Unit Test III	25	27/01/2026	NCERT	Introduction to Emerging Trends	AI, ML, NLP, AR, VR, Robotics, Big data and its characteristics, Internet of Things (IoT), Sensors, Smart cities, Cloud Computing and Cloud Services (SaaS, IaaS, PaaS); Grid Computing, Block chain technology.
Term II	70	Mid Feb.'2027 Onwards	NCERT	Complete Syllabus	

Annual Assessment Plan (Class XI)
Web Applications - 803
Session:-2026-27

UT/TERM	Marks	Date/Month	Name Of The Book	Chapters	Topics
Unit Test I	25	24/08/2026	CBSE : Student Study Material	Part-A: Communication Skills-III Part-B: Basics of Networking	Part-B: 1.1 What is Networking? 1.2 Advantages and Disadvantages of Networking 1.3 Data Communication Terminology 1.4 Network Devices 1.5 Types of Networks 1.6 Web Architecture 1.7 Network Threats and Security Measures
Term I	60	17/09/2025 onwards	CBSE : Student Study Material	Part-A: Communication Skills-III, ICT Skills -III Part-B: Basics of Networking , Website Building Using HTML and CSS	All Topics
Unit Test II	25	23/11/2026	CBSE : Student Study Material	Part-A: Self-Management Skills-III Part-B: JavaScript Part 1	Part-B: 4.1 Introduction to JavaScript 4.2 Prerequisites for working in JavaScript 4.3 Introduction to Script Tag 4.4 Input and Output from the script 4.5 Data Types in JavaScript 4.6 Variables in JavaScript 4.7 Operators in JavaScript
Unit Test III	25	01/02/2027	CBSE : Student Study Material	Part-A: Green Skills-III Part-B: JavaScript Part 1	Part-B: 4.8 Inbuilt functions in JavaScript 4.9 Control of flow using Conditional Statements 4.10Control of flow using Loops
Term II	60	Mid Feb.'2027 Onwards	CBSE : Student Study Material	Complete Syllabus	

Annual Assessment Plan (Class XI)

Data Science - 844

Session:-2026-27

UT/TERM	Marks	Date/Month	Name Of The Book	Chapters	Topics
Unit Test I	20	24/08/2026	CBSE : Student Study Material	Part-A: Communication Skills-III Part-B: Ethics in Data Science	Part-A: All topics Part-B: • Evolution of Data Ecosystem • Need for Data scientists to understand ethics • Concept of Data governance framework and its benefits.
Term I	50	17/09/2025 onwards	CBSE : Student Study Material	Part-A: Communication Skills-III, ICT Skills -III Part-B: Ethics in Data Science , Assessing Data	All Topics
Unit Test II	20	23/11/2026	CBSE : Student Study Material	Part-A: Self-Management Skills-III Part-B: Forecasting on Data	Part-A: All topics Part-B: • Forecasting • Observational study • Need for observational study • Pros and cons of observational study
Unit Test III	20	01/02/2027	CBSE : Student Study Material	Part-A: Green Skills-III Part-B: Introduction to R Studio	Part-A: All topics Part-B: • Orientation with R Studio • Coding for data science using R Studio
Term II	50	Mid Feb.'2027 Onwards	CBSE : Student Study Material	Complete Syllabus	

SURENDRANATH CENTENARY SCHOOL
ANNUAL ASSESSMENT PLAN CLASS – XI ECONOMICS (030) 2026- 27

EXAM	MARKS	DATE/MONTH	NAME OF BOOK	CHAPTER	TOPICS
Unit Test -1	25	20/07/2026	NCERT	Ch-1: introduction to microeconomics Introduction to statistics	ALL TOPICS
Unit Test - 2	25	12/10/2026	NCERT	Ch-2:: Consumers equilibrium Ch-3; Theory of demand Ch-4: collection of data	ALL TOPICS
Unit Test - 3	25	14/12/2026	NCERT	Ch- : Measures of central tendency Ch-10: Supply	ALL TOPICS
Term - 1	80	17/09/2026	NCERT	Ch-1: Introduction to microeconomics Ch-2: consumers equilibrium Ch-3: Theory of demand Ch-4: Elasticity of demand	ALL TOPICS
				Statistics Ch- 1 introduction to statistics Ch-2: meaning ,scope and importance of statistics Ch-3: collection of data Ch-4: organisation of data Ch-5: Tabular presentation Ch-6:Diagrammatic presentation Ch-7: Graphic presentation Ch-8: Measurement of central tendency	

Final Term	80	Mid week of Feb	NCERT	Economics Ch-3: Demand Ch-4: Elasticity of Demand Ch-5: Production Function Ch-6: Cost Ch-7: Revenue Ch-8: Producers equilibrium Ch-9: Supply Ch-10: Main Market Forms Ch-11: Price determination	ALL TOPICS
				Statistics Ch- Measurement of central Tendency Ch-9: Median and Mode Ch-10: Measures of correlation Ch-11: Index number	

ANNUAL ASSESSMENT PLAN CLASS – XI 2026-27

(PAINTING Theory)

EXAM	MARKS	DATE/ MONTH	NAME OF THE BOOK	CHAPTER	TOPIC
Unit Test I	25	24.08.26	An introduction to Indian Art part I NCERT	1.Pre-Historic Painting 2. Art of Indus valley civilization	i)-Period and location, Introduction, wizards dance, Bimbetka caves. ii)- period, location, art of Monanjodaro and Harppa, sculpture seal, terracotta
Unit Test II	25	23.11.26	NCERT	3. General introduction of art during mauryansungaandKushan, Gupta period 4. Art of Ajanta caves	General introduction to Mauryanart sungaKushan and Gupta period i) Study of method and material in appreciation of following is culture : ii) Lion Capital from Sarnath,Chauri bear, seated Buddha from KatraMund Mathura iii) Jain Tirthankar Gupta period Introduction to Ajanta Location, period number of caves, chaitya and Vihar paintings in sculptures subject matter and technique etc
Half Yearly Exam	30	September	NCERT	1. Pre- historic Rock painting 2. Art of Indus Valley Civilization 3. Buddhist, Jain and Hindu Ghat , Art of Ajanta	
Unit-III	25	01.02.27	NCERT	5.Indian TempleSculptures, 6.Indian Bronzes 7.Indo-Islamic Architecture	➤ Artistic aspects of Indian temple. ➤ Introduction to temple sculpture. ➤ Study of method and materials and appreciation of following temple is sculpture
Final Exam	30	February	NCERT	1, 2, 3, 4, 5, 6, 7	All Topics

SURENDRANATH CENTENARY SCHOOL

Sub - Yoga (Theory & Practical)

ANNUAL ASSESSMENT PLAN XI (YOGA 2026-2027)

EXAM	Marks	Month	Topics	LEARNING OUTCOME
24/08/2026 Unit Test I	25	August' 2026	▪ Yoga Etymology Definition ▪ Aim, Objective and Mis conception Text Yoga Origin ▪ History ▪ Rules and Regulation to be followed by Yoga Practioner	▪ Yoga is an ancient and based on a harmonizing system ▪ It is very important in order to get full benefits of Yoga
23/11/2026 Unit Test II	25	November 2026	▪ Introduction to Major schools of Yoga (Jana Yoga) ▪ Bhakti Yoga, Karma Yoga, Patanjali and Hath Yoga ▪ Introduction to Yogic Practice (Sukxam Vyayam, Surya Namaskar and Asans)	▪ Streams of Yoga Eight Limbs of Ashtanga Yoga (Patanjali) ▪ Relax Position ▪ Starting Step, Perfection
01/02/2027 Unit Test III	25	February' 2027	▪ Introduction and study of Patanjali Yoga sutra including memorisation of selected Sutra. ▪ Introduction and study of Bhagvad Gita including memorisation of selected sloka ▪ Introduction of Hath Pradipika ▪ Introduction and study of Gheranda Samhita	• Yoga Principal • Effect proper Hath Yoga • Physical Mental and Spiritual effect
Term I	50 (P) + 50 (T)	Half Yearly	▪ Practical Demonstration and Practical Skills	Performance
Term I	50 (P) + 50 (T)	Final	Revision	Final Term

Surendranath Centenary School, Ranchi
Annual Assessment Plan (Class XI)
Physical Health Education - 048
Session:-2026-27

UT/TERM	Marks	Date/Month	Name Of The Book	Chapters	Topics
Unit Test I	25	5th Paper: 13/07/2026 6th Paper: 24/08/2026	Physical Health Education	1. Changing Trends and Carrier in Physical Education 2. Olympic value education 3. Yoga	All Topics
Term I	70	17/09/2026 onwards	Physical Health Education	1. Changing Trends and Carrier in Physical Education 2. Olympic value education 3. Yoga 4. Physical education and Sports for CWSN 5. Physical Fitness Health and Wellness	All Topics
Unit Test II	25	5th Paper: 05/10/2026 6th Paper: 23/11/2026	Physical Health Education	1. Physical education and Sports for CWSN 2. Physical Fitness Health and Wellness 3. Test measurment and evaluation	All Topics
Unit Test III	25	5th Paper: 07/12/2026 6th Paper: 01/02/2027	Physical Health Education	1. Fundamental of Anatomy in Physiology in sports 2. Fundamentals of kinesiology and biomechanism in sports 3. Psychology and Sports	All Topics
Term II	70	Mid Feb.'2027 Onwards	Physical Health Education		All Syllabus