

GEMS ACADEMIA ICSE SCHOOL, REWA
UNIT TEST - I (SESSION: 2026-27)
CLASS - VII
EXAM PAPER PATTERN & BLUEPRINT
Maximum Marks: 15 Marks
Duration: 30 Minutes

1. SUBJECT: ENGLISH LANGUAGE

ICSE Focus: Syntactic transformation models, clausal structures, and lexical precision.

Section	Target Learning Outcome	Question Type	No. of Qs	Marks	Total
Section A	Contextual Analytics	Unseen Short Passage (Inferential comprehension & contextual vocabulary)	3	1	3 M
Section B	Grammar Syntax	Identify Transitive/Intransitive verbs or Finite/Non-finite verbs	3	1	3 M
	Structural Mechanics	Fill in blanks with appropriate Adjectives (Order of Adjectives)	2	1	2 M
	Vocabulary Building	Form Adjectives from Nouns or Verbs using correct suffixes	2	1	2 M
Section C	Syntactic Transformation	Change voice (Active/Passive) or exchange degrees of comparison	3	1	3 M
	Punctuation & Editing	Detect syntax and punctuation errors in a complex structural sentence	2	1	2 M
TOTAL	Advanced Middle-School Literacy Grid		15		15 M

2. SUBJECT: ENGLISH LITERATURE

ICSE Focus: Character motivations, identification of complex poetic devices, and structural themes.

Section	Target Learning Outcome	Question Type	No. of Qs	Marks	Total
Section A	Thematic Analysis	Inferential Multiple Choice Questions based on critical chapter themes	3	1	3 M
	Reference to Context (RTC)	Textual excerpt with analytical sub-questions on background settings	2	1	2 M
Section B	Literary Metrics	Identify Metaphors, Oxymorons, or Hyperboles within stanzas	2	1	2 M
	Lexical Context	Match challenging textbook phrasal verbs to real-world definitions	4	0.5	2 M
Section C	Critical Expression	Character profiling or thematic evaluation answers (3 sentences max)	2	2	4 M
TOTAL	Interpretive Textual Blueprint		13		15 M

3. SUBJECT: MATHEMATICS

ICSE Focus: Rational numbers, exponential notations, and modular algebraic equations.

Section	Target Learning Outcome	Question Type	No. of Qs	Marks	Total
Section A	Number Systems & Logic	Operations on Rational Numbers or Laws of Exponents (MCQs)	3	1	3 M
	Analysis based leaning	True/false on definition and type of fractions decimal and integers	2	1	2 M
Section B	Assertion and reason	Questions based on assertion and reason from fraction and integers	3	1	3 M
	Simplify Property	Verify commutative or distributive properties using variables integers	2	1	2 M
Section C	Computational Speed fractions	Simplify	2	1.5	3 M
	HOTS Problem Solving	Evaluate real-world Word Problems based on integers/fraction	1	2	2 M
TOTAL			13		15 M

4. SUBJECT: PHYSICS

ICSE Focus: Kinematic equations, density of irregular solids, and mechanical limits.

Section	Target Learning Outcome	Question Type	No. of Qs	Marks	Total
Section A	Conceptual Matrix	MCQs evaluating speed, velocity, or relative density profiles	3	1	3 M
	Data Verification	True/False matrix based on scalar vs vector quantities	3	1	3 M
Section B	Mathematical Modeling	Solve short numerical problems on speed, distance, or density	2	1.5	3 M
	Technical Nomenclature	Fill in blanks with standard SI derivations or thermal capacities	2	1	2 M
Section C	Scientific Reasoning	Give scientific reasonings for physical behaviors ("Why does oil float...")	2	2	4 M
TOTAL	Empirical Physical Sciences Grid		12		15 M

5. SUBJECT: CHEMISTRY

ICSE Focus: Chemical formula balancing, atomic structure arrays, and valency tracking.

Section	Target Learning Outcome	Question Type	No. of Qs	Marks	Total
Section A	Atomic Identification	Solid, liquid and gas, understanding states of matter	3	1	3 M
	Valency Matrix	Intermolecular force of attraction, Interconversion state of matter	4	0.5	2 M

Section B	Formula Tracking	Change in state, Condensation of water vapour	3	1	3 M
	Equation Mechanics	Fill in blanks ,melting ,freezing, evaporation, density and volume	3	1	3 M
Section C	Experimental HOTS	Show compressibility in different states of matter ,intermolecular force of attraction between particles of matter	2	2	4 M
TOTAL	Molecular & Chemical Sciences Plan		15		15 M

6. SUBJECT: BIOLOGY

ICSE Focus: Plant tissue grouping, diagnostic anatomy setups, and organic classification.

Section	Target Learning Outcome	Question Type	No. of Qs	Marks	Total
Section A	Histological Taxonomy	MCQs on Meristematic vs Permanent tissues or Monocot/Dicot cells	3	1	3 M
	Systemic Identification	Classify plant parts or transport layers (Xylem vs Phloem traits)	3	1	3 M
Section B	Diagrammatic Labeling	Label structural layers of a leaf cross-section or vascular bundles	2	1.5	3 M
	Botanical Jargon	Give one-word scientific technical terms for biological actions	2	1	2 M
Section C	Functional Reasonings	Scientific explanations regarding transpiration or vascular mechanics	2	2	4 M
TOTAL	Structural Biological Framework		12		15 M

7. SUBJECT: HISTORY & CIVICS

ICSE Focus: Medieval chronology, administrative reforms, and constitutional frameworks. [1]

Section	Target Learning Outcome	Question Type	No. of Qs	Marks	Total
Section A	Source analysis socio political	Picture based questions	3	1	3 M
	Circumstances	MCQs	3	1	3 M
Section B	Beliefs of christianity	True/false	2	1	2 M
	Emergence of Constantinople	Answer the following	2	2	4 M
		Define the terms	2	1.5	3 M
TOTAL			13		15 M

8. SUBJECT: GEOGRAPHY

ICSE Focus: Topographical grid contouring, rock cycle loops, and atmospheric variations.

Section	Target Learning Outcome	Question Type	No. of Qs	Marks	Total
Section A	Conventional symbols	Identification of symbols	3	1	3 M
	Use of scale	MCQs	3	1	3 M
Section B	Use of colours on the map	True/False	2	1	2 M
	Measuring distance on the map	Match the following	3	1	3 M
	Match the following	Answer the following questions	2	2	4M
TOTAL			13		15 M

9. SUBJECT: COMPUTER SCIENCE

ICSE Focus: Computer virus diagnostics, advanced spreadsheet functions, and systematic loop execution.

Section	Target Learning Outcome	Question Type	No. of Qs	Marks	Total
Section A	Cyber Security Logic	Classify malware types (Viruses, Trojans, Worms) from threat vectors	3	1	3 M
	Functional Systematics	Evaluate True/False conditions on nested loops or database keys	2	1	2 M
Section B	Spreadsheet Analytics	Write or debug formulas involving logical criteria (IF, SUMIF, etc.)	3	1	3 M
	Database Structures	Identify Primary Keys, Tables, or Fields from structural descriptions	2	1	2 M
Section C	Network Architecture	Match networking hardware (Hubs, Switches, Routers) to functions	2	1	2 M
	Algorithmic Execution	Trace a short pseudo-code or Flowchart sequence block to find output	2	1.5	3 M
TOTAL	Computational Thinking Blueprint		14		15 M

10. SUBJECT: SANSKRIT (संस्कृत)

ICSE Focus: शब्द-रूप (अस्मद्/युष्मद्), लङ् लकार (भूतकाल) संरचना, और व्यावहारिक अनुवाद ग्रिड।

भाग	मूल्यांकित कौशल (ICSE Learning Outcome)	प्रश्न का प्रकार	प्रश्नों की संख्या	अंक	कुल अंक
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भाग क		लङ् लकार (भूतकाल) के धातु-रूपों को पहचानकर वाक्य पूर्ण करना	3	1	3 अंक
		उपपद विभक्तियों के नियमानुसार उचित शब्द-रूप चुनना	2	1	2 अंक
भाग ख		'अस्मद्' अथवा 'युष्मद्' सर्वनाम की कारक तालिकाओं को पूर्ण करना	3	1	3 अंक
		दीर्घ एवं गुण स्वर संधियों के शब्दों का विच्छेद अथवा संयोजन	2	1	2 अंक
भाग ग		हिंदी/अंग्रेजी वाक्यों का लङ् लकार (भूतकाल) संस्कृत में अनुवाद	3	1	3 अंक
साहित्यिक बोध		2	1	2 अंक	
कुल	भाषाई एवं व्याकरणिक अनुप्रयोग सूचकांक		15		15 अंक

11. SUBJECT: HINDI (हिन्दी)

ICSE Focus: व्यावहारिक व्याकरण (सर्वनाम, विशेषण के भेद), शब्द-रूपांतरण, और समीक्षात्मक गद्यांश मीमांसा।

भाग	प्रश्न उत्तर	प्रश्न का प्रकार	प्रश्नों की संख्या	अंक	कुल अंक
भाग क	प्रश्न उत्तर	लघुतरात्माक	5	2	10 अंक
					अंक
भाग ख	उपसर्ग प्रत्यय, विलोम शब्द	वस्तुनिष्ठ	6	.5	3 अंक
					अंक
भाग ग	वर्ण विचार, भाषा	लिखित	2	1	2 अंक
					अंक
कुल			14		15 अंक