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

1. SUBJECT: ENGLISH LANGUAGE

ICSE Focus: Advanced synthesis of sentences, conditional clauses, and contextual vocabulary.

Section	Target Learning Outcome	Question Type	No. of Qs	Marks	Total
Section A	**Critical Reading**	Unseen Micro-Passage (Vocabulary extraction & inference)	3	1	3 M
Section B	**Structural Syntax**	Fill in the blanks with correct Prepositions/Phrasal Verbs	3	1	3 M
	Tense Application	Fill in blanks with correct form of Verbs (Tenses grid)	2	1	2 M
	Lexical Accuracy	Spot single-word substitution errors or word analogies	2	1	2 M
Section C	**Sentence Synthesis**	Transform sentences as directed (Direct/Indirect, Voice, If/Unless)	3	1	3 M
	Error Correction	Sentence editing (Subject-Verb Agreement / Conjunction errors)	2	1	2 M
TOTAL	**Pre-Board Readiness Literacy Grid**		**15**		**15 M**

2. SUBJECT: ENGLISH LITERATURE

ICSE Focus: Deeper thematic analysis, identification of complex figures of speech, and character conflicts.

Section	Target Learning Outcome	Question Type	No. of Qs	Marks	Total
Section A	**Context Retention**	Inferential Multiple Choice Questions based on sub-plots	3	1	3 M
	Reference to Context (RTC)	Drama / Fiction excerpt with critical sub-questions on subtext	2	1	2 M
Section B	**Poetic Devices**	Identify Metonymy, Irony, or Onomatopoeia from stanzas	2	1	2 M
	Vocabulary Context	Match advanced literary terms or archaisms to meanings	4	0.5	2 M
Section C	**Interpretive Writing**	Critical short answers analyzing internal character motifs	2	2	4 M
TOTAL	**Advanced Interpretive Literature Review**		**13**		**15 M**

3. SUBJECT: MATHEMATICS

ICSE Focus: Squares/Cubes, Venn diagrams, identities, and linear algebraic modeling.

Section	Target Learning Outcome	Question Type	No. of Qs	Marks	Total
Section A	**Rational & Number Logic**	Squares, Square Roots, Cubes, or Rational operations (MCQs)	3	1	3 M

	Set Theory Operations	Union, Intersection, or Complement of sets (Venn diagrams)	2	1	2 M
Section B	**Algebraic Formulas**	Expand expressions using standard Algebraic Identities	3	1	3 M
	Percentage & Interest	Calculations based on Profit, Loss, or Simple/Compound interest	2	1	2 M
Section C	**Algorithmic Mechanics**	Long division method for square roots or solving linear equations	2	1.5	3 M
	HOTS Problem Solving	Real-world application Word Problem (Algebraic formulation)	1	2	2 M
TOTAL	**Analytical Quantitative Framework**		**13**		**15 M**

4. SUBJECT: PHYSICS

ICSE Focus: Fluid pressure variations, atmospheric tracking, and kinetic energy conversions.

Section	Target Learning Outcome	Question Type	No. of Qs	Marks	Total
Section A	**Conceptual Matrix**	MCQs evaluating Fluid Pressure, Thrust, or Atmospheric profiles	3	1	3 M
	State Verification	True/False matrix mapping Work, Power, or Energy conversions	3	1	3 M
Section B	**Mathematical Modeling**	Solve numerical problems involving Work, Kinetic/Potential Energy	2	1.5	3 M
	Technical Nomenclature	Fill in blanks with standard SI derivations or barometric metrics	2	1	2 M
Section C	**Scientific Reasoning**	Give reasons for physical laws ("Why do deep-sea divers wear...")	2	2	4 M
TOTAL	**Analytical Physical Sciences Blueprint**		**12**		**15 M**

5. SUBJECT: CHEMISTRY

ICSE Focus: Chemical formula balancing, law of conservation of mass, and valency variable tracking.

Section	Target Learning Outcome	Question Type	No. of Qs	Marks	Total
Section A	**Atomic Configuration**	Postulate of kinetic theory of matter, change of state of matter on the base of interparticle attraction and collison	3	1	3 M
	Valency& Radicals	Physical and chemical changes , interparticle space involve of combustion in presence of air	4	0.5	2 M
Section B	**Chemical Reactions**	Law of conservation of mass , heat light ,pressure and electricity	3	1	3 M

	Equation Balancing	Balance simple chemical equations by condition for of chemical change of reaction, Fe and S, H2	3	1	3 M
Section C	**Experimental Deduction**	Interpret chemical scenarios based on Law of Conservation of Mass, evidence on experimental numerical question of law of mass	2	2	4 M
TOTAL	**Chemical Equations & Matter Matrix**		**15**		**15 M**

6. SUBJECT: BIOLOGY

ICSE Focus: Plant transport networks, osmosis/diffusion loops, and cell organelle functions.

Section	Target Learning Outcome	Question Type	No. of Qs	Marks	Total
Section A	**Cytological Taxonomy**	MCQs on Plant vs Animal tissue models or Transport networks	3	1	3 M
	Systemic Identification	Classify structural components of Xylem vessels or Phloem sieve tubes	3	1	3 M
Section B	**Diagrammatic Labeling**	Label experimental setups for Osmosis / Root hair absorption structure	2	1.5	3 M
	Physiological Jargon	Give one-word technical terms for biochemical or transport actions	2	1	2 M
Section C	**Functional Reasonings**	Scientific explanations regarding Turgidity, Plasmolysis, or Ascent of Sap	2	2	4 M
TOTAL	**Systemic Biological Framework**		**12**		**15 M**

7. SUBJECT: HISTORY & CIVICS

ICSE Focus: Decline of Mughal empire, European settlements, and parliamentary frameworks.

Section	Target Learning Outcome	Question Type	No. of Qs	Marks	Total
Section A	Renaissance period	Picture based questions	3	1	3 M
	Medieval period	MCQs	3	1	3 M
Section B	Americon revolution	True /false	2	1	2 M
	French revolution	Answer the following questions	2	2	4 M
	Modern period	Define the terms	2	1.5	3 M
					15 M

8. SUBJECT: GEOGRAPHY

ICSE Focus: Topographical map calculations, linear scale conversions, and global resource tracking.

Section	Target Learning Outcome	Question Type	No. of Qs	Marks	Total

Section A	Types of settlement	identify the types of settlement patterns and conventional symbols	3	1	3 M
	Valleys and conventional symbols	MCQs	3	1	3 M
Section B	Landforms settlement	Match the following	3	1	3 M
	settlement	True/False	2	1	2 M
	Vegetation and climate	Answer the following questions	2	2	4 M
TOTAL					**15 M**

9. SUBJECT: COMPUTER SCIENCE

ICSE Focus: Operating system system calls, basic network topologies, and algorithmic loops.

Section	Target Learning Outcome	Question Type	No. of Qs	Marks	Total
Section A	**Network Architecture**	Classify topologies (Star, Bus, Ring, Mesh) from packet path models	3	1	3 M
	Algorithmic Logic	Evaluate True/False structural loops, conditions, or code strings	2	1	2 M
Section B	**Database Mechanics**	Write/Debug short query commands or define relational variables	3	1	3 M
	System Configuration	Identify operating system types (Open source vs Proprietary structures)	2	1	2 M
Section C	**Hardware Protocols**	Match networking components (Modems, Gateways) to target layers	2	1	2 M
	Execution Mechanics	Trace binary execution pathways or find the output of pseudo-code blocks	2	1.5	3 M
TOTAL	**Computational Logic Blueprint**		**14**		**15 M**

10. SUBJECT: SANSKRIT (संस्कृत)

ICSE Focus: लृट लकार (भविष्यत्काल) संरचना, आत्मनेपद धातु-रूप, प्रत्यय (क्त्वा/तुमुन्) प्रयोग।

भाग	मूल्यांकित कौशल	प्रश्न का प्रकार	प्रश्नों की संख्या	अंक	कुल अंक
भाग क		लृट लकार (भविष्यत्काल) के रूपों को चुनकर क्रिया पदों की पूर्ति	3	1	3 अंक
	प्रत्यय अनुप्रयोग	मूल धातुओं में 'क्त्वा' अथवा 'तुमुन्' प्रत्यय जोड़कर शब्द बनाना	2	1	2 अंक
भाग ख	**धातु-रूप (आत्मनेपद)**	सेव/लभ् धातु की लट् लकार (वर्तमान काल) तालिका पूर्ण करना	3	1	3 अंक
	संधि एवं कारक कौशल	स्वर संधि (वृद्धि एवं यण) तथा चतुर्थी-पंचमी विभक्ति नियम	2	1	2 अंक
भाग ग	**भाषाई अनुवाद ग्रिड**	व्यावहारिक वाक्यों का लृट लकार (भविष्यत्काल) संस्कृत में अनुवाद	3	1	3 अंक

	साहित्यिक मीमांसा	सूक्ति पंक्तियों का भावार्थ मिलान अथवा गद्यांश लघु प्रश्नोत्तर	2	1	2 अंक
कुल	**भाषाई एवं संरचनात्मक अनुप्रयोग ग्रिड**		**15**		**15 अंक**

11. SUBJECT: HINDI (हिन्दी)

ICSE Focus: व्यावहारिक व्याकरण (अव्यय, क्रिया-विशेषण), वाक्य रूपांतरण, और आलोचनात्मक पाठ्य समीक्षा।

भाग	**मूल्यांकित कौशल**	**प्रश्न का प्रकार**	**प्रश्नों की संख्या**	**अंक**	**कुल अंक**
भाग क	प्रश्न उत्तर	लघुत्तरात्मक	5	2	10अंक
भाग ख	कारक,लिंग वचन,	वस्तुनिष्ठ	6	.5	3 अंक
भाग ग	पर्यायवाची,विलोम शब्द		4	.5	2अंक
					अंक
कुल	**समीक्षात्मक भाषाई एवं रचनात्मक ग्रिड**		**15**		**15 अंक**