THE HAMILTON ACADEMY
ANNUAL EXAMINATION (2023-24)
CLASS IX
SCHEME AND SYLLABUS

SUBJECT	SYLLABUS
English Language	**Question 1** Candidates will be required to write a composition of about 300– 350 words from a choice of subjects which will test their ability to: organize, describe, narrate, report, explain, persuade or argue, present ideas coherently with accuracy and precision, compare and contrast ideas and arrive at conclusions, present relevant arguments and use correct style and format. **Question 2** Candidates will have to write a letter from a choice of two subjects requiring either a formal or a friendly mode of treatment **Question 3** Candidates will be given a specific situation and will be required to: (a) Write the text for a notice based on given directions. (b) Write an e-mail on the same content as the notice. **Question 4** An unseen prose passage of about 500 words will be given. A number of questions requiring short answers will also be asked on the passage. **Question 5** There will be a number of short answer questions to test the candidates' knowledge of functional grammar, structure and usage
English Literature	**DRAMA** Julius Caesar - William Shakespeare Acts I & II **PROSE** 1. Bonku Babu's Friend 2. Oliver Asks for More 3. The Model Millionaire 4. Home-coming 5. The Boy who Broke the Bank **POETRY:** 1. The Night Mail 2. Skimbleshanks: The Railway Cat 3. I Remember, I Remember 4. A Doctor's Journal Entry for August 6, 1945 5. A Work of Artifice
Hindi	अध्याय–1 (CHAPTER-1)

Language	प्रस्ताव-लेखन (प्रश्न संख्या-1)
	अध्याय-2 (CHAPTER-2) पत्र-लेखन (प्रश्न संख्या-2) अध्याय-3 (CHAPTER-3) भावग्रहण (प्रश्न संख्या-3) 1. अपठित गद्यांश और उन पर आधारित प्रश्न 2. अभ्यास हेतु कुछ गद्यांश अध्याय 4 (CHAPTER-4) व्याकरण (प्रश्न संख्या 4) ● व्याकरण यावर संज्ञा, लिंग, भाववाचक संज्ञाएँ बनाना, वचन, यूनिट, कारक, सर्वनाम, विशेषण, क्रिया, क्रिया विशेषण, पर्यायवाची शब्द, तत्सम और तद्भव शब्द, विपरीतार्थक शब्द, अनेकार्थी शब्द, एकार्थक प्रतीत होने वाले शब्द, अनेक शब्दों के लिए एक शब्द, उपसर्ग, प्रत्यय, वाच्य परिवर्तन, काल, वर्तनी की सामान्य अशुद्धियाँ, वाक्य के अंग व संरचना, वाक्य संश्लेषण, वाक्य रूपांतरण, वाक्यगत अशुद्धियों का शोधन, विराम चिह्न, मुहावरे और लोकोक्तियाँ, ऐवरग्रीन प्रारूप प्रश्न-पत्र (I - V)
Hindi Literature	**संक्षिप्त कहानियाँ** 1. बात अठन्नी की 2. काकी 3. महायज्ञ का पुरस्कार 4. नेताजी का चश्मा 5. अपना-अपना भाग्य 6. बड़े घर की बेटी 7. संदेह 8. भीड़ में खोया आदमी 9. भेड़ें और भेड़िए 10. दो कलाकार **पद्य भाग** 1. साखी – 2. कुंडलियाँ 3. स्वर्ग बना सकते हैं 4. वह जन्मभूमि मेरी 5. मेघ आए 6. सूर के पद 7. विनय के पद 8. भिक्षुक 9. चलना हमारा काम है 10. मातृ मंदिर की ओर –

Chemistry	Chapter- 1. The language of Chemistry
	Chapter 2. Chemical changes and reactions
	Chapter 3. Water
	Chapter 4. Atomic structure and chemical bonding
	Chapter 5. The periodic table
	Chapter 6. Study of the first element Hydrogen
	Chapter 7. Study of gas laws
	Chapter 8. Atmospheric pollution
Mathematics	**Pure Arithmetic**
	1. Rational and Irrational Numbers
	Commercial Mathematics
	2. Compound Interest
	Algebra
	3. Expansions.
	4. Factorisation
	5. Simultaneous Linear Equations
	6. Problems on Simultaneous Linear Equations
	7. Quadratic Equations
	8. Indices
	9. Logarithms
	Geometry
	10. Triangles
	11. Mid-point Theorem
	12. Pythagoras Theorem
	13. Rectilinear Figures
	14. Theorems on Area
	15. Circle
	Mensuration
	16. Mensuration
	Trigonometry
	17. Trigonometrical Ratios
	18. Trigonometrical Ratios of Standard Angles
	Coordinate Geometry
	19. Coordinate Geometry
	Statistics
	20. Statistics
History	Chapter 1 The Harappan Civilisation
	Chapter2. The Vedic Period
	Chapter3 Jainism and Buddhism
	Chapter 4 The Mauryan Empire
	Chapter 5The Sangam Age
	Chapter6 The Age of the Guptas
	Chapter 7 The Cholas
	Chapter8. Medieval India
	Chapter 9The Mughal Empire
	Chapter 10Composite Culture
	Chapter 11The Modern Age in Europe
	Chapter 12 Renaissance
	Chapter 13. Industrial Revolution
	Chapter 14 Reformation
Civics	Our Constitution

	Salient Features of the Constitution- Salient Features of the Constitution- Elections Local Self-Government-Rural Local Self-Government-Urban
Computer	Principles of Object-Oriented Programming Introduction to JAVA Elementary Concept of Objects and Classes Values and Types Operators in Java Input in Java Mathematical Library Methods Conditional Construct in Java Iterative Constructs in Java Nested Loop Computing and Ethics
Geography	Chapter 1 Earth As a Planet Chapter 2 Geographic Grid Latitudes and Longitudes Chapter 3 Rotation and Revolution Chapter4. Earth's Structure Chapter5. Landforms of the Earth Chapter6. Rocks Chapter 7. Volcanoes Chapter 8 Earthquakes Chapter9. Weathering Chapter10 Denudation Chapter 11-Hydrosphere Chapter12 Composition and Structure of the Atmosphere Sept/oct Chapter 13 Insolation Chapter 14. Atmospheric Pressure and Winds Chapter 15. Humidity Chapter 16 Pollution Chapter 17 Sources of Pollution Chapter 18. Effects of Pollution Chapter19. Preventive Measures Chapter 20. Natural Regions of the World
Biology	Chapter 1. Introducing Biology Chapter 2. Cell : The unit of life Chapter 3. Tissues: plant and animal tissues Chapter 4. The flower Chapter 5. Pollination and fertilization Chapter 6. Seeds- structure and germination Chapter 7. Respiration in plants Chapter 8. Five kingdom classification Chapter 9. Economic importance of bacteria and fungi Chapter 10. Nutrition Chapter 11. Digestive system Chapter 12. Skeleton- movement andd locomotion Chapter 13. Skin- The jack of all trades Chapter 14. The respiratory system Chapter 15. Hygiene- A key to healthy life

	Chapter 16. Diseases: cause and control
	Chapter 17. Aids to health
	Chapter 18. Health Organizations
	Chapter 19. Waste generation and management
Physics	Chapter1.(Measurements and Experimentation)
	Chapter2.(Motion in 1 D)
	Chapter3.(Laws of motion)
	Chapter4.(Pressure in fluids and Atmospheric pressure)
	Chapter5.(Upthrust in fluids, Archimedes principle)
	Chapter6.(Heat and energy)
	Chapter7.(Reflection of light)
	Chapter8.(Propagation of sound) waves
	Chapter9.(Current Electricity)
	Chapter10.(Magnetism)