

**SYLLABUS 2022**  
**CLASS – IX**

**ENGLISH**

**FORMATIVE ASSESSMENT I :**

**Open Book Evaluation – All about a Dog(Prose)**

**SUMMATIVE ASSESSMENT I :**

**LITERATURE :**

- 1) Tales of Bhola Grandpa (Prose)
- 2) Autumn (Poem)
- 3) All about a Dog (Prose)
- 4) Hunting Snake (Poem)

**LANGUAGE :**

**GRAMMAR :**

- 1) Narration
- 2) Articles and Prepositions
- 3) Transformation of Sentences (Parts of speech)

**WRITING SKILL :**

- 1) Letter to the Headmaster/Business Letters (Hotel Manager, Store Owner, Postmaster, Director of a Company)
- 2) Informal Letter (Letter to a friend)
- 3) Dialogue Writing

**UNSEEN COMPREHENSION :**

**Duff and Dutt (Class IX)**

**ABTA Test Papers**

**FORMATIVE ASSESSMENT II :**

**Nature Study – Mild the Mist Upon the Hill (Poem)**

**SUMMATIVE ASSESSMENT II :**

**LITERATURE :**

- 1) A Day in the Zoo (Prose)
- 2) All Summer in a Day (Prose)
- 3) Mild the Mist Upon the Hill (Poem)
- 4) Tom Loses a Tooth (Prose)

**LANGUAGE :**

**GRAMMAR :**

- 1) Adverbs
- 2) Kinds of Clauses (Underline and Identify)
- 3) Identification of Simple, Complex and Compound Sentences
- 4) Transformation of Sentences (Simple, Complex and Compound)
- 5) Phrasal Verbs

**WRITING SKILL :**

- 1) Process Writing
- 2) Report Writing

**UNSEEN COMPREHENSION :**

**Ex. From ABTA Test Papers**

**Duff and Dutt (Class IX)**

**FORMATIVE ASSESSMENT III :**

**Model Making – His First Flight (Prose)**

## **SUMMATIVE ASSESSMENT III :**

### **LITERATURE :**

- 1) The Price of Bananas (Poem)
- 2) A Shipwrecked Sailor (Prose)
- 3) His First Flight (Prose)
- 4) The North Ship (Poem)

### **LANGUAGE :**

#### **GRAMMAR :**

- 1) Voice Change
- 2) Kinds of Sentences (Identification and change)
- 3) Joining of sentences
- 4) Revision of all Grammar topics from previous terms

#### **WRITING SKILL :**

- 1) Letter to the Editor
- 2) Biography Writing (Revision)

#### **UNSEEN COMPREHENSION :**

#### **ABTA Test Papers**

#### **Duff and Dutt (Class IX)**

### **Bengali 1st language**

বাংলা - প্রথমভাষা

### **প্রথম অভীক্ষা :**

কবিতা : কলিঙ্গ দেশে ঝড় বৃষ্টি, আকাশে সাতটি তারা

গদ্য : ইলিয়াস ( গদ্য ), ধীবর বৃত্তান্ত ( নাটক ), নব নব সৃষ্টি ( প্রবন্ধ )

সহায়ক : ব্যোমযাত্রীর ডায়েরি

ব্যাকরণ : ধ্বনি ও ধ্বনি পরিবর্তন

নির্মিতি : সারাংশ, ভাবার্থ

প্রকল্প ১ - নাটক ' ধীবর বৃত্তান্ত ' এর গল্পরূপ

### **দ্বিতীয় অভীক্ষা :**

কবিতা : নোঙর, আবহমান

গদ্য : রাধারানী ( গল্প ), দাম ( গল্প ), চিঠি ( প্রবন্ধ )

সহায়ক : কর্তাস

ব্যাকরণ : শব্দ

নির্মিতি : ভাব সম্প্রসারণ, গল্প রচনা

প্রকল্প ২ - খোলা বই - ' দাম ' গল্প

### **তৃতীয় অভীক্ষা :**

কবিতা : ভাঙার গান, খেয়া, আমরা

গদ্য : নিরুদ্দেশ ( গল্প ), চন্দ্রনাথ ( গল্প ), হিমালয় দর্শন ( প্রবন্ধ )

সহায়ক : স্বর্ণপর্ণী

ব্যাকরণ : শব্দ ও পদ

নির্মিতি : ভাব সম্প্রসারণ / সারাংশ / ভাবার্থ / গল্প রচনা, রচনা

পূর্বপাঠ সহ

प्रकल्प ७ - प्रकृति पाठ - ' बांग्लार मुथ आमि देथिशाछि '

**Hindi First Language**  
हिंदी- प्रथमभाषा

**Formative and summative assessment 1**

पद्य

- i) कलकत्ता ( साहित्य संचयन )
- ii) धीरे- धीरे उतर क्षितिज से ( साहित्य संचयन )
- iii) पेड़ का दर्द ( साहित्य संचयन )

गद्य

- i) हिंसा परमो धर्मः ( साहित्य संचयन )
- ii) स्त्री शिक्षा के विरोधी कुतर्कों का खंडन ( साहित्य संचयन )
- iii) गिरगिट ( साहित्य संचयन )
- i) राजा राममोहन राय ( प्रेरणा पुरुष )

व्याकरण एवं रचना :- वर्ण एवं भाषा, संधि, भाव विस्तार, अनुवाद, विराम चिन्ह ।

\* परियोजना कार्य - रचनात्मक लेखन (बचपन की सुनहरी यादें )

**Formative and summative assessment 2**

पद्य

- i) विनय के पद ( साहित्य संचयन )
- ii) सबसे खतरनाक ( साहित्य संचयन )
- iii) यमराज की दिशा ( साहित्य संचयन )

गद्य

- i) भोलाराम का जीव ( साहित्य संचयन )
- ii) पर्यावरण संरक्षण ( साहित्य संचयन )
- iii) बहू की विदा ( साहित्य संचयन )
- i) स्वामी दयानंद सरस्वती ( प्रेरणा पुरुष )

व्याकरण एवं रचना :- ध्वनि, उपसर्ग, प्रत्यय, समास, कारक, वार्तालाप (संवाद) एवं पहले पाठ की आवृत्ति ।

\* परियोजना कार्य - प्रकृति अध्ययन ( पर्यावरण संरक्षण )

**Formative and summative assessment 3**

पद्य

- i) जरूरतों के नाम पर ( साहित्य संचयन )
- ii) कर चले हम फिदा ( साहित्य संचयन )

गद्य

i) ठेले पर हिमालय ( साहित्य संचयन )

ii) वापसी ( साहित्य संचयन )

iii) संस्कृति है क्या ( साहित्य संचयन )

i) मौलाना अबुल कलाम आजाद ( प्रेरणा पुरुष )

व्याकरण एवं रचना :- वाक्य, शब्द, निबंध, वाच्य एवं पहले पाठ की पुनरावृत्ति ।

\* **परियोजना कार्य** - खुली किताब ( वापसी )

## Mathematics

**Books :** 1. Ganit Prakash (WBBSE)

2. School Mathematics-Amitava Mitra and Subrata Dutta

**FA1: Mensuration (open textbook evaluation)**

**SA1: Arithmetic:**

Chapter 1: Real Numbers

Chapter 10: Profit and Loss

**Algebra:**

Chapter 3: Graph

Chapter 5: Linear Simultaneous equations

Chapter 7: Polynomial

**Geometry:**

Chapter 6: Properties of Parallelogram

Construction of a parallelogram equal in area to a triangle

**Mensuration:**

Chapter 15: Area and perimeter of a rectangle, square and triangle

**FA2: Mensuration (model making)**

**SA2: Algebra:**

Chapter 2: Laws of Indices

Chapter 8: Factorisation

**Mensuration:**

Chapter 15: Area and perimeter of a quadrilateral

Chapter 16: Circumference of a circle

Chapter 18: Area of a circle

**Geometry:**

Chapter 9: Transversal and Mid-point Theorem

Chapter 12: Theorems on Area

Construction of a triangle equal in area to a quadrilateral

**Co-ordinate Geometry:**

Chapter 4: Distance formula

Chapter 19: Internal and External Division of a Straight line segment

## **SA1 SYLLABUS TO BE INCLUDED WITH SA2**

**FA3: Geometry (case study)**

**SA3: Geometry:**

Chapter 17: Theorems on Concurrence  
Construction of a triangle equal in area to a pentagon

**Co-ordinate Geometry:**

Chapter 20: Area of triangular region

**Statistics:**

Chapter 11

**Algebra:**

Chapter 21: Logarithm

**Annual Examination: Full Syllabus**

**PHYSICAL SCIENCE**

**Summative Assessment I**

1. Systems of Measurements and Measuring Devices
2. Force and Motion including Newton's Laws of Motion
3. Work Power and Energy
4. Structure of atom
5. Mole

**Formative Assessment I**

1. Measurements around us (*case study*)

**Summative Assessment II**

1. Pressure of Liquid and Air
2. Force and Motion including Newton's Laws of Motion
3. Work power and energy
4. Separation of mixture
5. Acid, base and salt
6. Structure of atom

**Formative Assessment II**

1. Determination of pH of various substances using pH paper (*open text book evaluation*)

**Summative Assessment III**

1. Heat
2. Sound
3. Work Power and Energy
4. Pressure of Liquid and Air
5. Systems of Measurements and Measuring Devices
6. Solution
7. Water
8. Mole
9. Acid, base and salt
10. Separation of mixture

**Formative Assessment III**

- a. Model making of musical instruments (*model making*)

## LIFE SCIENCE AND ENVIRONMENT

**Formative Assessment I:** 3. Classification of diversity of Life. (Classification of kingdom Plantae, classification of kingdom Animalia)-Nature Study

### **Summative Assessment I:**

Unit I: LIFE AND ITS DIVERSITY:

1. Basic properties of life.
2. Biology is the study of patterns and processes of life and its diversity.
3. Classification of diversity of Life: Taxonomy.

Unit II:

4. Biomolecules and their behaviour.
5. Cell
6. Tissue-A. Plant tissue and its distribution  
B. Animal tissue.
7. Major Organs of human body and its functions.

**Formative Assessment II:** 10. Nutrition – Case Study

### **Summative Assessment II:**

Unit I: Life and its Diversity-

1. Basic properties of life (revision from SAI)
2. Biology is the study of patterns and processes. (Revision from SAI)
3. Classification of diversity of Life: Taxonomy (Revision from SAI)

Unit II: Levels of organization of Life:

4. Biomolecules and their behaviour (Revision from SAI)
5. Cell. (Revision from SAI)
6. Tissue : A. Plant tissue and its distribution B. Animal Tissue (Revision from SAI)
7. Major Organs of human body and their functions.

Unit III: Physiological Processes of Life.

8. Plant Physiology:
  - 8.1 Photosynthesis
  - 8.2 Mineral Nutrition
  - 8.3 Transpiration
  - 8.4 Movement of Water, Minerals, Food and Gases.
9. Respiration.
10. Nutrition
11. Circulation
12. Excretion.

**Formative Assessment III:** 13. Immunity and Human Diseases – Model Making

### **Summative Assessment III:**

Unit I : Life and its diversity ( revision from SAI)

Unit II: Levels of Organization of life (revision from SAI)

Unit III: Physiological Processes of life ( revision from SAII)

Unit IV: Biology and Human Welfare

13. Immunity and Human Diseases.
14. Microbes in Human welfare in our everyday life.

Unit V: Environment and Its Resources.

15. Ecology and Ecological Organization.
16. Natural resources and its sustainable use.

## **GEOGRAPHY**

### **SA-1**

1. Earth - As a Planet.
2. Movements of the Earth.
3. Determination of location of a place on the Earth's surface.
4. Resources of India.
5. Map Pointing - Outline map of India.

### **FA-1**

Travelling through my state (Creative Writing)

### **SA-2**

1. Geographic Processes and Landforms of the Earth
2. Weathering
3. Hazards and Disasters
4. Map Pointing - Outline map of India
5. Revision of SA1.

### **FA-2**

Hazards and Disaster (Nature Study)

### **SA-3**

1. Maps and Scale
2. West Bengal
4. Map Pointing - Outline map of India
5. Revision of SA1 and SA -2

### **FA-3**

Model Making

## **HISTORY**

### **FORMATIVE ASSESSMENT I - OPEN TEXTBOOK EVALUATION**

Chapter - Some Aspects Of The French Revolution  
Topic - Aristocratic Revolt And Reign Of Terror

### **SUMMATIVE ASSESSMENT 1**

- 1) Some Aspects Of The French Revolution
- 2) Revolutionary Ideals: Napoleonic Empire And The Idea Of Nationalism
- 3) Europe In The Nineteenth Century : Conflict Of Monarchical And Nationalist Ideas

### **FORMATIVE ASSESSMENT II - CREATIVE WRITING**

Chapter - Revolutionary Ideals: Napoleonic Empire And The Idea Of Nationalism  
Topic - Life Of Napoleon Bonaparte

### **SUMMATIVE ASSESSMENT II**

- 1) Some Aspects Of The French Revolution
- 2) Revolutionary Ideals : Napoleonic Empire And The Idea Of Nationalism
- 3) Europe In The Nineteenth Century : Conflict Of Monarchical And Nationalist Ideas
- 4) Industrial Revolution : Colonialism And Imperialism
- 5) Europe In The Twentieth Century

## **FORMATIVE ASSESSMENT III - CASE STUDY**

Chapter- Europe In The Nineteenth Century: Conflict Of Monarchical And Nationalist Ideas  
Topic - Bismarck's Attempts To Unify Germany

## **SUMMATIVE ASSESSMENT III**

- 1) Revolutionary Ideals : Napoleonic Empire And The Idea Of Nationalism
- 2) Europe In The Nineteenth Century : Conflict Of Monarchical And Nationalist Ideas
- 3) Industrial Revolution : Colonialism And Imperialism
- 4) Europe In The Twentieth Century
- 5) The Second World War And Its Aftermath
- 6) The League Of Nations And The United Nations

## **Information Technology & Applications**

### **SUMMATIVE ASSESSMENT - I**

1. Introduction To Internet
2. HTML
3. CSS- Different ways of applying styles, Selectors, Properties and values
4. JavaScript – PART I
5. GK on Computer

### **SUMMATIVE ASSESSMENT - II**

1. JavaScript – PART II
2. Python
  - a. Revision of class 8
  - b. Conditional
  - c. Nested if-else
  - d. Iterative statements – for
3. G.K. on Computer
4. Revision from Term1 (selected topics)

### **SUMMATIVE ASSESSMENT - III**

1. Programming with Python
  - a. Nested for loop
  - b. Loops with while
  - c. String, List, tuple and Dictionary
2. G.K on computer
3. Revision from Term1 and Term2 (selected topics)