

## CLASS VIII

### ENGLISH-I SYLLABUS 2022 -23

#### **SECOND TERM:**

- 1) Adverbs
- 2) Direct and Indirect Speech
- 3) Active and Passive Voice
- 4) Phrases and Clauses
- 5) Relative Clauses
- 6) Sentences (Simple, Compound & Complex)
- 7) Conditional Sentences
- 8) Transformation of sentences
- 9) Essay Writing & Letter Writing (Formal & Informal)
- 10) Notice Writing & Email writing & Comprehension

#### **UNIT TEST 2**

1. Adverbs
2. Direct and Indirect Speech

### ENGLISH II SYLLABUS 2022 -23

#### **SECOND TERM:**

1. The World-Renowned Nose
2. Going for Water
3. If
4. A Helpless Situation
5. The Inchcape Rock
6. Twelfth Night

#### **UNIT TEST 2**

1. Going for Water
2. Twelfth Night

### HISTORY & CIVICS SYLLABUS 2022 -23

#### **SECOND TERM:**

##### **HISTORY:**

1. Beginning of British Rule in Bengal (Ch. 8)
2. Expansion of British Power in India (Ch. 9)
3. British Policies and their Impact (Ch. 10)
4. The Revolt of 1857 (Ch. 11)
5. Social and Religious Reforms (Ch. 12)
6. Rise of Indian Nationalism (Ch. 13)
7. The Indian National Movement (1885-1916) (Ch. 14)
8. The Indian National Movement (1917-1947) (Ch. 15)

##### **CIVICS:**

1. The United Nations (Ch. 19)
2. Agencies of the United Nations (Ch. 20)

#### **Unit Test 2**

1. Beginning of British Rule in Bengal
2. The United Nations

### GEOGRAPHY SYLLABUS 2022 -23

#### **UNIT TEST - 2**

- Chapter 1- Interpreting Topographical Maps  
Chapter 6 - Disaster Management

#### **SECOND TERM:**

- Chapter 1- Interpreting Topographical Maps  
Chapter 5 - Natural and Man-Made Disasters  
Chapter 6 - Disaster Management  
Chapter 9 - India – Location, Extent, Political and Physical Features.  
Chapter 10- India - Climate and Natural Vegetation, Forest and Wildlife.

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### PHYSICS SYLLABUS 2022 -23

#### **Map Work: (India)**

Water Bodies – Indian Ocean, Arabian Sea, Bay of Bengal, Andaman Sea, Lakshadweep Sea, Chilka Lake, Gulf of Kutchch, Gulf of Khambhat, Gulf of Munnar, Palk Strait.

Mountain Ranges – Himalayas, Karakoram, Aravalli, Vindhyachal, Satpura, Western and Eastern Ghats.

Plains – Gangetic plains, Sundarban delta, Western Coastal plain (Konkan and Malabar), Eastern Coastal plain (Coromandel and North Circars) .

Desert – Thar Desert

Rivers– Indus, Ganga, Yamuna, Brahmaputra, Narmada, Tapi, Mahanadi, Godavari, Krishna, Kaveri.

Islands – Lakshadweep, Andaman and Nicobar

Tropic of Cancer

### COMPUTER SYLLABUS 2022 -23

#### ANNUALEXAM

Chapter4:Algorithms and Flow Charts

Chapter5:ProgramCoding

#### UNITTEST2

Chapter4: AlgorithmsandFlowCharts

#### SECOND TERM:

Chapter 5	Light Energy
Chapter 6	Heat Transfer
Chapter 7	Sound
Chapter 8	Electricity

#### UNIT TEST 2:

Chapter 5	Light Energy
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### CHIMISTRY SYLLABUS 2022 -23

#### SECOND TERM:

- 1) Chemical reactions  
Combination reaction, Decomposition reaction, Displacement reaction, Double decomposition, Neutralization reaction, Exothermic and Endothermic reaction.
- 2) Hydrogen  
Occurrence, General preparation, Laboratory and Industrial preparation of Hydrogen, Physical and Chemical properties of hydrogen. Test for hydrogen, uses of hydrogen.
- 3) Water  
Water of crystallisation, Efflorescence, deliquescence, hygroscopic substances, Physical and Chemical properties of Water, Hard and Soft water. Exclude - Water cycle, Importance of water, potable water, purification of drinking water, uses of water, chemical analysis of water, composition of water by volume and mass, test for gases, formation of water, Lab preparation of water and test for water
- 4) Carbon and its compounds  
Isotopes, Allotropy, crystalline form– Diamond, Graphite and Fullerene– their structure, properties and uses. Amorphous Carbon – Characoal, Lampblack, Coke, Reducing property of carbon, let me explain.

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- 5) Oxides of Carbon  
Occurrence, Lab preparation of carbon di oxide, physical and chemical properties of carbon di oxide, test for carbon di oxide and its uses, Fuel and its combustion, Carbon mono oxide and its nature and harmful effects. Exclude – General preparation of Carbon di oxide, Radiations from sun, Greenhouse effect, global warming.

### UNIT TEST 2

- 1) Chemical reactions  
Combination reaction, Decomposition reaction, Displacement reaction, Double decomposition, Neutralization reaction, Exothermic and Endothermic reaction.
- 2) Hydrogen  
Occurrence, General preparation, Laboratory and Industrial preparation of Hydrogen, Physical and Chemical properties of hydrogen. Test for hydrogen, uses of hydrogen.

## BIOLOGY SYLLABUS 2022 -23

### SECOND TERM:

- 1) Circulatory system
- \* Blood and Blood Vessels: Aorta, Pulmonary trunk, Pulmonary Vein, Coronary Artery and Vein, Venacava (in brief)
  - \* Structure of human heart - valves in heart, Heartbeat, Septum, Pacemaker; Working of hearts - Circulation of blood as double circulation.
  - \* Blood groups A, B, AB and O, Universal Donor and Universal recipient (acceptor)
  - \* Conditions related to functioning of heart: Palpitation, Cardiac Arrest and Hypertension
  - \* Lymphatic System
- 2) Nervous system

- \* Nervous system co-ordination - Structure of a neuron; Types of nerves: Sensory, motor and mixed (definition)
- \* Human nervous system - Central Nervous system - The Brain and Spinal Cord - in detail with parts and function. Peripheral Nervous System - Cranial and Spinal nerves
- \* Reflex Action - Definition and Basic terms used to describe reflex action - stimulus, response, impulse receptor, effector; conditioned reflex explaining Pavlov's experiment on dog. [Exclude stimulus response and Reflex arc]

### 3) Endocrine system

- \* Exocrine and Endocrine Glands: (Basic Concepts & Differences)
- \* Hormones (Definition)
- \* Hormonal Glands: (Thyroid, Adrenal, Pancreas, Pituitary) in Tabular form Name of Glands, Location in Body, Secretion & Function

### 4) Adolescence and accompanying changes

- \* Adolescent and Puberty, Changes at Puberty Physical and Emotional Changes.
- \* Importance of Personal Hygiene
- \* Stress Management: Causes; Ways to Tackle Stress

### UNIT TEST 2

- 1) Endocrine system
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- 2) Adolescence and accompanying changes

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- \* Adolescent and Puberty, Changes at Puberty Physical and Emotional Changes.
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### MATHEMATICS SYLLABUS 2022 -23

#### SECOND TERM:

##### Number System:

1. Squares and Square roots
2. Cube and Cube roots
3. Sets

##### Ratio & Proportion:

4. Simple Interest and Compound Interest
5. Direct and Indirect Variation
6. Time and Work Algebra
7. Linear Equations
8. Linear In equations

##### Mensuration:

9. Circumference and Area of Circle
10. Volume and Surface Area of Solids

##### Geometry:

11. Representing 3-D Shapes in 2-D
12. Linear Symmetry, Reflection and Rotation
13. Linear Graph
14. Circle

##### Data Handling:

15. Probability

#### **UNIT TEST 2**

Linear Equations

### HINDI 2ND LANGUAGE SYLLABUS 2022 -23

#### **UNIT TEST II**

I.मेरानयाबचपन II.धरतीकासुरक्षाकवचIII.उपसगाएवंप्रत्यय

#### **SECOND TERM**

**BOOK 1:** गुंजनहिन्दीपाठमाला 8

- 1.मेरानयाबचपन
- 2.धरतीकासुरक्षाकवच
- 3.अनोखाबदला
- 4.आठअहमन्यु
- 5.कहपकररहृदयहबचार
- 6.परदेशमेंबसाभारत
- 7.रोहटयाँ
- 8.जायकेकासफ़र

**BOOK 2:** हिन्दीव्याकरणएवुरचना 8

1.हनबुंध—

- I.रास्ट्रीयएकता
- II.स्वच्चभारत
- III.व्यायामकेलाभ

#### **2.व्याकरण---**

I. अव्यय(सुंबुंधबोधक,  
सम्मुच्यबोधक,हवस्मयहदबोधक,हक्रयाहवशेषण,हनपात)

II. वाक्यहवचार

III.उपसगाएवंप्रत्यय

IV.अनेकशब्दोकेहलएएकशब्द

V.हलकोक्तक्त

VI.अपहठतगदयांश

3.पत्र—

I. औपचाररकपत्र(पुस्तकहवक्रेताकोपुस्तकबदलनेकेहलयेपत्र )

II.अनौपचाररकपत्र(अपनीसिलीकोहववांिमेंबुलानेकेहलएहनमुंत्रणपत्र)

## CLASS VIII

নোট:-- উপযুক্তপাঠকে অ্তর্মেহদংগশব্দাথা,  
প্রশ্নোকে উত্তরংবুংমাধাসেসুংবুংধতঅং-যাসকরাংজাংগে। কহবতাকা সুংদমা,  
প্রসুংগংবুংমাথাহলখবাযাজাংগা।

### BENGALI 2L SYLLABUS 2022 -23

#### UNIT TEST-2

গদ্য: পদ্মানদীরমাঝি	[2+3=5]
পদ্য: ক্রীতদাস	[2+3=5]
আবারআসিবফিরে	[2+3=5]
ব্যাকরণ: বাক্যওবাচ্যপরিবর্তন	[3×1=3]
শুদ্ধবানান	[4× $\frac{1}{2}$ =2]

#### **ANNUALEXAM [Total: 20 Marks]**

গদ্য: কালাপাহাড়, অন্নচাই, তোতাপাখিরপাকামি।

পদ্য: রাখালছেলে, আগামী, যাওয়া।

#### **[Total Marks: 40 (Literature)]**

Each question of this part carries 10 marks that is sub divided as  
**[2+2+3+3]**

ব্যাকরণ: শব্দগঠন( তদ্ধিতপ্রত্যয়), পদান্তর(অবসাদ-শিথিল), বাচ্যপরিবর্তন,  
বাক্যপরিবর্তন, সমোচ্চারিতভিন্নার্থকশব্দ( উপাদান-নীতি), ছেদওযতি,  
সাধুওচলিত, উক্তিপরিবর্তন, শুদ্ধবানান, পাঠ্যাংশেরব্যাকরণ, বাগধারা( ক-চ)।

বোধপরীক্ষণ:	[5×2=10]
পত্ররচনা(ব্যক্তিগতপত্র, আবেদনপত্র)	[7]
প্রবন্ধরচনা/ গল্পলিখন/ চিত্রপর্যবেক্ষণ	[15]
[32]	

#### **[Grammar 8]**

#### **[Total (Language)40]**