

Olympiad 2.0 - Syllabus

CLASS 10 (Phase I)

1. General Knowledge (GK)

- Geography & Environment: States and Union Territories, Capitals and Important Cities, Continents and Oceans, Countries, Capitals & Currencies, Important/Major Rivers, Mountains and Lakes, National Parks and Wildlife Sanctuaries.
- History & Culture: Famous Monuments and Historical Places, Indian Culture, Festivals and Traditions, UNESCO World Heritage Sites, Important Historical Dates.
- National Identity & Polity: National Symbols, Important Constitutional Articles, Important Government Institutions, Indian Symbols.
- Sports: Major Sports and Games, Major Tournaments, Sports Awards, National and International Sports.
- Global & National Affairs: Important Personalities (Famous Firsts in India and the World), Important National and International Events, Current Affairs (History, Geography, Polity, and Economy).
- Miscellaneous: Important National and International Days, Awards and Honours, Books and Authors, Inventions and Inventors, Major International Organisations and Their Headquarters, Abbreviations.

2. Science

i. Physics:

- Light: Reflection and Refraction
- Electricity
- Magnetic Effects of Electric Current
- Sources of Energy
- Work, Energy, Power, and Force

ii. Chemistry:

- Chemical Reactions and Equations
- Acids, Bases, and Salts
- Metals and Non-metals
- Carbon and Its Compounds
- Periodic Classification of Elements

iii. **Biology:**

- Life Processes
- Control and Coordination
- Reproduction in organisms
- Heredity and Evolution

3. Mathematics

- Real Numbers
- Polynomials
- Pair of Linear Equations in Two Variables
- Quadratic Equations
- Progression
- Locus
- Trigonometry
- Areas and Volumes
- Statistics
- Probability

4. English

- Reading Comprehension
- Direct and Indirect Speech
- Active and Passive Voice
- Synonyms and Antonyms
- Vocabulary
- Phrases
- Idioms
- Tenses

- Conjunctions
- Prepositions
- Correct Form of Verbs
- Parts of Speech
- Determiners

5. Verbal & Non-Verbal Reasoning

- Verbal Reasoning: Analogy, Classification, Series, Coding-Decoding, Blood Relations, Direction Sense, Ranking and Ordering, Statement and Conclusion, Logical Puzzles.
- Non-Verbal Reasoning: Venn Diagrams, Figure Classification, Figure Series, Mirror Images, Water Images, Paper Folding and Cutting, Embedded Figures, Figure Completion, Cubes and Dice, Counting Figures, Pattern Recognition.

CLASS 10 (Phase II)

Shortlisted Class X candidates shall undergo Phase II a viva-voce and aptitude assessment designed to provide a broader evaluation of:

- Conceptual understanding
- Communication ability
- Analytical reasoning
- Academic aptitude
- Confidence
- Clarity of thought
- Ability to articulate responses logically.

The Viva/Aptitude assessment cover:

- History of Assam
- History and general awareness of Barak Valley
- General Aptitude
- Analytical and reasoning ability
- Communication and response skills

CLASS 8

1. English

- Reading Comprehension
- Direct and Indirect Speech
- Active and Passive Voice
- Synonyms and Antonyms
- Vocabulary
- Phrases
- Idioms
- Analogy
- Tenses
- Modals
- Poetic Devices
- Conjunctions
- Prepositions
- Correct Form of Verbs
- Parts of Speech
- Determiners

2. Science

i. Physics:

- Force and Pressure
- Friction
- Sound
- Solar System
- Light

ii. Chemistry:

- Synthetic Fibers and Plastics
- Materials: Metals and Non-Metals

- Coal and Petroleum
- Combustion and Flame
- Pollution of Air and Water
- Elements, Compounds, and Mixtures
- Chemical Effects of Electric Current

iii. **Biology:**

- Microorganisms
- Health & Diseases
- Life Processes
- Adolescence

3. Mathematics

- Graphs
- Geometry
- Mensuration
- Simple Banking
- Numbers
- Linear equation and Algebra

4. Reasoning & GK

- Number and Alphabet Series
- Analogy
- Classification / Odd One Out
- Coding and Decoding
- Blood Relations
- Direction Sense Test
- Ranking and Ordering
- Venn Diagrams
- Figure Classification and Figure Series
- Mirror Images, Water Images, and Paper Folding
- Geography & environment, history & culture, national identity & polity.

PROPOSED SUBJECT-WISE ASSESSMENT WEIGHTAGE

Subject / Assessment Area	Proposed Weightage
Reasoning & General Knowledge	20%
English	25%
Mathematics	30%
Science	25%
TOTAL	100%

Examination Phases

CLASS VIII (Phase I)

Mode: Online

Marks: 100

Subjects:

- Mathematics
- Science
- English
- Reasoning & General Knowledge

CLASS X (Two Phases)

Phase I – Online Examination

Mode: Online

Marks: 100

Subjects:

- Mathematics
- Science
- English
- Reasoning & GK

Phase II – Viva-Voce & Aptitude

Mode: On-Campus Interview

Topics:

- Conceptual understanding & aptitude
- History of Assam, Barak Valley awareness
- Analytical & logical reasoning
- Communication & response skills
- Confidence & clarity of thought