

ST. MICHAEL'S SCHOOL, DURGAPUR
SYLLABUS
SESSION: 2026-2027
CLASS - 11

This syllabus consists of 23 printed pages

SUBJECT - ENGLISH LANGUAGE

HALF YEARLY:

UNIT TEST 1:

1. Proposal Writing

2. Grammar

ASSIGNMENT :

- a) **Oral exam:** Speaking Skills (topics to be given in class)
- b) **Aural exam :** Listening Skills (unseen listening comprehension)

HALF YEARLY EXAMINATION :

Total English

Chapters 1-8 (only language structure)

Writing skill:

- 1. Composition (All types prescribed by the Council)
- 2. Directed Writing (Feature Article, Book Review, blogs, Newspaper Report, Statement Of Purpose)
- 3. Proposal Writing
- 4. Comprehension

ANNUAL:

UNIT TEST 2:

Test on Comprehension.

ASSIGNMENT :

- a) **Oral exam:** Speaking Skills (topics to be given in class)
- b) **Aural exam :** Listening Skills (unseen listening comprehension)

ANNUAL EXAMINATION :

Total English

Chapters 9-15 (only language structure)

Writing skill:

1. Composition (All types prescribed by the Council)
2. Directed Writing (Feature Article, Book Review, Blogs, Newspaper Report, Statement of Purpose)
3. Proposal Writing
4. Comprehension

*** Subject to changes as per the instructions by the Council

SUBJECT - ENGLISH LITERATURE

HALF YEARLY :

UNIT TEST 1:

1. A Living God- Lafcadio Hearn (Prose)
2. Abhisara: The Tryst – Rabindranath Tagore(Poetry)

PROJECT: 1. Discuss the poem *Abhisara– the Tryst* as a triumph of the spiritual over the temporal.

2. Analyse the short story *A living God* as an example of sacrifice, presence of mind in times of crisis and a spontaneous show of gratefulness after a miraculous escape from the jaws of death.

HALF YEARLY EXAMINATION:

- a. MACBETH – Act 1
- b. POETRY(RHAPSODY)
 - i. Abhisara: The Tryst – Rabindranath Tagore
 - ii. Why I Like the Hospital- Tony Hoagland
 - iii. Sonnet 116 – William Shakespeare
- c. PROSE (PRISM)
 - i. A Living God – Lafcadio Hearn
 - ii. Advice to Youth – Mark Twain
 - iii. The Paper Menagerie –Ken Liu

ANNUAL :

UNIT TEST 2:

1. MACBETH –William Shakespeare Act 1
2. Death of a Naturalist – Seamus Heaney (Poetry)

PROJECT : 1. Shakespeare in his play *Macbeth*, makes a wounded soldier narrate Macbeth's valour and fearlessness to Duncan, while he makes Lady Macbeth speak in her soliloquy about the flaws in Macbeth's nature. Explore the disparity between the external praise and the internal flaws in Macbeth's character.

- 2.The Paradox of Choice and Futility: Analyze how Owen in his poem *The Strange Meeting* portrays violence as a deliberate choice amidst a society prone to conflict.

ANNUAL EXAMINATION: The entire ISC 2028 syllabus for class XI:

- MACBETH –William Shakespeare Act 1 & 2

- POETRY(RHAPSODY)
 - Abhisara: The Tryst – Rabindranath Tagore
 - Why I Like the Hospital- Tony Hoagland
 - Sonnet 116 – William Shakespeare
 - Death of a Naturalist – Seamus Heaney
 - Strange Meeting – Wilfred Owen

- PROSE (PRISM)
 - A Living God – Lafcadio Hearn
 - Advice to Youth – Mark Twain
 - The Paper Menagerie –Ken Liu
 - The Great Automatic Grammatizator – Roald Dahl
 - Thank You Ma’am – Langston Hughes

*** Subject to changes as per the instructions by the Council

SUBJECT – HINDI

HALF YEARLY:

UNIT TEST 1:

- 1.निबंध ,
- 2.वाक्यों को शुद्ध कीजिए |

PROJECT :

पाठ्य पुस्तक पर आधारित या व्याकरण संबंधी |

HALF YEARLY EXAMINATION :

काव्य मंजरी –

- 1.एक फूल की चाह,
- 2.बाल लीला,
- 3.बादल को घिरते देखा है ।

गद्य संकलन-

- 1.पुत्र प्रेम,
- 2.गौरी,
- 3.शरणागत |

आषाढ का एक दिन - अंक एक ।

व्याकरण –

- 1.शुद्ध करो,
- 2.मुहावरे व कहावतें,
- 3.अपठित गद्यांश,
- 4.निबंध ।

ANNUAL :

UNIT TEST 2:

काव्य मंजरी, गद्य संकलन, आषाढ का एक दिन- प्रश्न – उत्तर , वाक्य संशोधन, मुहावरे व कहावतें |

PROJECT :

पाठ्य पुस्तक पर आधारित या व्याकरण संबंधी ।

ANNUAL EXAMINATION:

काव्य मंजरी –

- 1.आ: धरती कितना देती है,
- 2.जाग तुझको कितना दूर जाना है,
- 3.तुलसी के पद ।

गद्य संकलन –

- 1.सती,
- 2.आउट साइडर,
- 3.दासी ।

आषाढ का एक दिन - अंक दो ।

व्याकरण-

- 1.शुद्ध करो,
- 2.मुहावरे व कहावतें,
- 3.अपठित गद्यांश,
- 4.निबंध ।

NOTE – अर्धवार्षिक परीक्षा के लिए पढ़ाए गए सभी पाठ वार्षिक परीक्षा में रहेंगे ।

*** Subject to changes as per the instructions by the Council

SUBJECT: BENGALI 2ND LANGUAGE

HALF YEARLY

UNIT TEST 1

ব্যাকরণ -

- এক কথায় প্রকাশ
- অশুদ্ধি সংশোধন
- অনুচ্ছেদ লিখন

ASSIGNMENT: To be notified later

HALF YEARLY EXAMINATION

প্রবন্ধ ও গদ্য সংকলন

- ঠাকুরদা
- জোড়াসাঁকোর ধারে
- তাসের ঘর

কবিতা সংকলন

- ওরা কাজ করে
- পূব-পশ্চিম
- বনলতা সেন

মুকুট

- প্রথম অঙ্ক, দ্বিতীয় অঙ্ক দ্বিতীয় দৃশ্য পর্যন্ত

ব্যাকরণ ও নির্মিত্তি

- এক কথায় প্রকাশ
- অশুদ্ধি সংশোধন
- বাক্যান্তর
- উক্তি পরিবর্তন
- বাগধারা
- রচনা লিখন এবং বোধ পরীক্ষণ

ANNUAL

UNIT TEST -2

- অনুচ্ছেদ লিখন
- অশুদ্ধি সংশোধন
- বাগধারা

ASSIGNMENT: To be notified later

ANNUAL EXAMINATION

প্রবন্ধ ও গদ্য সংকলন

- অনাচার
- রেকর্ড
- না পাহারার পরীক্ষা

কবিতা সংকলন

- বর্ণ পরিচয়
- সালেমনের মা
- বাবরের প্রার্থনা

মুকুট

- দ্বিতীয় অঙ্ক - তৃতীয় দৃশ্য পর্যন্ত

ব্যাকরণ ও নির্মিতি

- এক কথায় প্রকাশ
- অশুদ্ধি সংশোধন
- বাক্যান্তর
- উক্তি পরিবর্তন
- বাগধারা
- রচনা লিখন এবং বোধ পরীক্ষণ।

এছাড়া Half Yearly -র সমস্ত বিষয়গুলো Annual এ থাকবে।

Subject to be changes as per the instruction by the council .

SUBJECT-PHYSICS

HALF YEARLY :

UNIT TEST 1:

Topic - Physical world and measurement

PRACTICAL:

Practical- Simple pendulum, friction, inclined plane, Gravesand's apparatus, vernier slide caliper and screw gauge.

Project- To be notified later.

HALF YEARLY EXAMINATION:

1. Physical world and measurement.
2. Kinematics
3. Laws of motion
4. Work Energy and Power
5. Motion of system of particles and rigid body.

ANNUAL:

UNIT TEST 2:

Topic- Gravitation

PRACTICAL:

Practical- Resonance experiment of sound, u-v method of lens and mirror, prism experiment.

Project- To be notified later.

ANNUAL EXAMINATION:

1. Gravitation
2. Properties of bulk matter
3. Heat and thermodynamics
4. Oscillation and waves.
5. Behaviour of perfect Gases and Kinetic theory of Gases.
6. Physical world and measurement.
7. Kinematics
8. Laws of motion
9. Work Energy and Power
10. Motion of system of particles and rigid body.

Note - All units are covered from latest ISC revised scope of syllabus 2028.

*** Subject to changes as per the instructions by the Council.

SUBJECT - CHEMISTRY

HALF YEARLY :

UNIT TEST - 1 :

1. Some Basic concepts of Chemistry

HALF YEARLY EXAMINATION :

1. Some Basic concepts of Chemistry.
2. Structure of Atom.
3. Classification of Elements and Periodicity in Properties.
4. Chemical Bonding and Molecular Structure.
5. Organic Chemistry : Some basic Principles and Techniques.

PRACTIAL - Analysis of Inorganic salts.

ANNUAL :

UNIT TEST - 2

1. Redox reactions

ANNUAL EXAMINATION :

Entire ISC Syllabus 2028(For Class 11)

PRACTICAL :

- Entire ISC Syllabus 2028 (For Class 11).

* NOTE : The pattern of question paper and marking scheme is as per scope of syllabus - 2028

** Subject to changes as per the instructions by the Council.

SUBJECT–BIOLOGY

HALF YEARLY:

UNIT TEST1:

1. Breathing and exchange of gases
2. Morphology of flowering plants

HALF YEARLY EXAMINATION:

Paper 1 Theory

Syllabus as per ISC Scope of Syllabus-2028 which includes:

Structural organisation in Animals and Plants

1. Morphology of Flowering Plants
2. Anatomy of Flowering Plants

Cell structure and function

1. Cell- the unit of life
2. Biomolecules
3. Cell cycle and Cell division

Plant Physiology

1. Plant growth and Development

Human Physiology

1. Breathing and exchange of gases
2. Locomotion and Movement
3. Chemical Co-ordination and Integration

Paper 2 Practical

1. To study the parts of dissecting and compound Microscope
2. Physiology:
 - a. Food test: starch, glucose, protein, fats
 - b. To study the effect thawing, heat and alcohol on permeability of beet root cells
 - c. Demonstration of plasmolysis using onion bulb
 - d. Demonstration of osmosis in living plant cells
3. Morphology and modifications of roots, stems and leaves
4. Preparation of temporary slides of Mucor/Rhizopus
5. Cytology: Preparation of temporary slides of Onion peel: stages of mitosis in onion roottip
6. T.S. of monocot and dicot stem

7. T.S. of monocot and dicot root
8. SPOTTING: Stages of meiosis, Identification of mammalian blood cells, Bacteria, *Spirogyra*, *Amoeba*, Yeast, Sponge, Liverworts, Moss, Fern, Pinus, One monocot plant and One dicot plant, Rohu fish.
9. Project work and Practical file

ANNUAL:

UNIT TEST 2:

1. Anatomy of Flowering plants
2. Excretory products and their elimination

ANNUAL EXAMINATION:

Paper 1 Theory:

Syllabus as per ISC Scope of Syllabus-2028

Paper 2 Practical:

Syllabus as per ISC Scope of Syllabus-2028

***Subject to changes as per the instructions by the council.

SUBJECT – MATHEMATICS

HALF YEARLY

UNIT TEST 1:

Trigonometry functions, Compound Angles

Sets, Relation and Functions

PROJECT: To be notified later

HALF YEARLY EXAMINATION:

Sets and functions- Sets, Relation and Functions.

Trigonometry-Angles and arc length, Trigonometry functions, Compound angles, Multiple angles, Trigonometric equations

Algebra- Complex number, Quadratic equations, Inequalities, Sequence and series

Coordinate geometry- Straight lines, Circle

Statistics- Mean Deviation and Standard Deviation

ANNUAL

UNIT TEST 2 :

Algebra- Permutation and Combinations, Binomial theorem

PROJECT : To be notified later

ANNUAL EXAMINATION :

- Entire ISC (CLASS 11) Syllabus 2028

*** Subject to changes as per the instructions by the Council

SUBJECT – ACCOUNTANCY

HALF YEARLY

UNIT TEST 1 :

- Introduction to Accounting
- Journal and Ledger

PROJECT : Preparation of Journal/Sub-division of Journal, Ledger, Trial Balance and Financial Statements of a Trading Organization on the basis of a case study.

HALF YEARLY EXAMINATION:

Syllabus as per ISC Scope of Syllabus-2028 which includes

- Introduction to Accounting
- Accounting Concepts
- Journal Ledger and Trial Balance
- Bank reconciliation statement
- Final Accounts and Concept of Trading, Profit and Loss Account and Balance Sheet, Marshalling of Balance of Sheet.

ANNUAL

UNIT TEST 2 :

- Depreciation
- Final Accounts and Concept of Trading, Profit and Loss Account and Balance Sheet, Marshalling of Balance of Sheet

PROJECT : Depreciation

ANNUAL EXAMINATION :

Entire Syllabus as per ISC Scope of Syllabus-2028 for Class 11

***Subject to Changes as per Instructions by the Council

SUBJECT – BUSINESS STUDIES

HALF YEARLY

UNIT TEST 1 :

- Business: Purpose and Classification
- Forms and Types of Business Organisations (Under the Private Sector: Sole Proprietorship only)

PROJECT : Select a daily use product and trace its origin from primary industry through the secondary and tertiary industries. Draw a flow chart to include all business activities in its path from the producer to the consumer.

HALF YEARLY EXAMINATION :

Syllabus as per ISC Scope of Syllabus-2028 which includes

- Business: Purpose and Classification
- Forms and Types of Business Organisation
- Contemporary and Evolving Modes of Business

ANNUAL

UNIT TEST 2 :

- Domestic Trade
- Business Risks and Insurance (Risks in business - insurable and non- insurable meaning and features only)

PROJECT : (anyone)

Assume you are starting a partnership firm with your friend/friends. Develop a business plan covering the following aspects:

- Formation of this partnership firm rules and steps that would be followed including the partnership deed
- Choice of types of partners involved and your justification for the same.

Identify two Public Private Partnership Projects.

Find out:

- The equity participation of both the partners.
- Objectives of the partnership
- Strengths both partners bring into the venture.

ANNUAL EXAMINATION :

Entire Syllabus as per ISC Scope of Syllabus-2028 for Class 11

***Subject to Changes as per Instructions by the Council

SUBJECT - HISTORY

HALF YEARLY

UNIT TEST 1 :

1. Gandhian Nationalism (1916-1922)
2. The Great Depression

HALF YEARLY EXAMINATION :

1. Emergence of Colonial Economy
2. Social Movement
3. Growth of Nationalism
4. World War (Causes)
5. World War (Effects)
6. Rise of Militarism in Japan
7. Rise of Communism

Project : To be decided by the students

ANNUAL

UNIT TEST 2 :

1. Gandhian Nationalism (1927-1937)

ANNUAL EXAMINATION :

1. Protest Movements
2. Rise of Fascism
3. Rise of Nazism

Entire Syllabus of Class 11 (as per scope of ISC 2028)

Project : To be decided by the students

*** Subject to changes as per the instructions by the Council

SUBJECT - POLITICAL SCIENCE

HALF YEARLY

UNIT TEST 1 :

1. Introduction to Political Science
2. Introduction to International Relation
3. Cold war
4. Sovereignty

PROJECT :

To be discussed in the class.

HALF YEARLY EXAMINATION :

1. Introduction to Political Science
2. Introduction to International Relation
3. Cold war
4. Sovereignty
5. Disintegration of the Soviet Union.
6. Theories of the Origin of States.
7. Law
8. Unipolar World

ANNUAL

UNIT TEST 2:

1. Regional Cooperation
2. Liberty

PROJECT :

To be discussed in the class.

ANNUAL EXAMINATION :

1. Regional Cooperation
2. Liberty
3. South Asia
4. Political Ideologies.
5. Equality
6. Justice

*** Subject to changes as per the Instructions of the Council

SUBJECT – APPLIED MATHEMATICS

HALF YEARLY

UNIT TEST 1:

Trigonometry Functions, Compound Angles

Sets, Relation and Functions

PROJECT : To be notified later

HALF YEARLY EXAMINATION:

Sets and functions- Sets, Relation and Functions.

Trigonometry-Angles and arc length, Trigonometry functions, Compound angles, Multiple angles

Algebra- Complex number, Quadratic equations, Inequalities, Sequence and series

Coordinate geometry- Straight lines.

Statistics and probability- Measure of dispersion, Correlation Analysis

Financial mathematics: Interest and Interest rates, Present value, net present value and future value

ANNUAL

UNIT TEST 2 :

Algebra- Logarithm, Binomial Theorem

PROJECT : To be notified later

ANNUAL EXAMINATION :

- Entire ISC (CLASS 11) Syllabus 2028

*** Subject to changes as per the instructions by the Council

SUBJECT – GEOGRAPHY

HALF YEARLY:

UNIT TEST I:

1. Interior of the Earth.
2. Rocks.

PRACTICAL:

1. Statistical Diagrams.
2. Map Projection – Cylindrical Equal Area Projection.

HALF YEARLY EXAMINATION:

1. Formation of the Earth.
2. Interior of the Earth.
3. Rocks.
4. Endogenous Processes and associated Landforms.
5. Drifting of Continents and Plate Tectonics.
6. Isostasy.
7. Volcanoes and Earthquakes.
8. Exogenous Processes and associated Landforms.
9. Fluvial Processes and associated Landforms.
10. Aeolian Processes and associated Landforms.
11. Glacial Processes and associated Landforms.
12. Work of Groundwater and associated Landforms.
13. Marine Processes and associated Landforms.
14. Composition and Structure of the Atmosphere.
15. Insolation and Temperature.
16. Atmospheric Pressure and Winds.
17. Atmospheric Moisture.

MAP WORK:

World Map (Physical Features) - as per the Scope of Syllabus 2028.

1. Mountains
2. Plateaus
3. Water Bodies (bays, gulfs, straits, seas, oceans)
4. Rivers

ANNUAL:

UNIT TEST 2:

1. Insolation and Temperature.

2. The Biosphere.

PRACTICAL: Map Projection – a) Simple Conical Projection with one Standard Parallel.

b) Polar Zenithal Equidistant Projection.

PROJECT: Andaman and Nicobar Islands.

ANNUAL EXAMINATION:

On the entire ISC Syllabus for Class 11 as per the Scope of Syllabus 2028.

***Subject to changes as per the instructions by the Council.

SUBJECT- PHYSICAL EDUCATION

HALF YEARLY

UNIT TEST- 1 :

1. Concept of physical education

PROJECT : Games (Any one)

HALF YEARLY EXAMINATION :

1. Concept of physical education
2. Individual aspects and group dynamics.
3. Effect of physical exercise on human body systems
4. Any two of the following games are to be studied- Cricket , Football, Badminton, Volleyball, Basketball, athletics.

PRACTICAL :

1. Continuous evaluation
2. Practical evaluation

ANNUAL

UNIT TEST- 2 :

1. Games and sports-a global perspective

PROJECT : Games (Any one)

ANNUAL EXAMINATION :

On the entire ISC syllabus for class 11 as per the scope of syllabus 2028

PRACTICAL :

Syllabus. As per ISC Scope of syllabus -2028

***Subject to changes as per the instructions by the council.

SUBJECT - ECONOMICS

HALF YEARLY:

UNIT TEST 1:

- 1) Understanding Economics
 - i) Definition of Economics
 - ii) Micro and Macro Economics
 - iii) Basic Problems of an Economy

HALF YEARLY EXAMINATION:

- 1) Understanding Economics
 - i) Definition of Economics
 - ii) Micro and Macro Economics
 - iii) Basic Problems of an Economy
 - iv) Types of Economies
 - v) Solutions to the Basic Economic Problems Under Different Economic Systems
- 2) Indian Economic Development:
 - i) Introduction
 - ii) Parameters of Development
 - iii) Planning and Economic Development in India
- 3) Statistics:
 - i) Statistics: Definition, scope and limitation of statistics
 - ii) Collection, organization and presentation of data.
 - iii) Measures of Central Value.

PROJECT:

1. Production Possibility curve.
2. Presentation of Data.

ANNUAL :

UNIT TEST 2:

1. Indian Economic Development:
 - i) Structural Changes in the Indian Economy after liberalization
2. Statistics:
Measures of Dispersion:
Range, Quartile Deviation only.

ANNUAL EXAMINATION:

On entire ISC syllabus as per the scope of syllabus 2028.

PROJECT:

1. Scatter Diagram and its uses.
2. Human Capital formation.

*** Subject to changes as per the instructions by the Council

SUBJECT – COMPUTER SCIENCE

HALF YEARLY :

UNIT TEST 1:

1. Number Systems and Encodings
2. Basic concept of Objects and Classes (Introduction to Java Language)
3. Concept of Data Types

PROJECT :

1. Elementary Concept of OOP, Concept of Object and Class, Creation of a Project, Creation of a Class, Compilation and Execution of a JAVA Program, Modification of a JAVA Program, Description of JVM.
2. Fifteen programs in Java based on Decision making, Iterations through loops and Functions / Methods.

HALF YEARLY EXAMINATION :

1. Number Systems and Encodings
2. Basic concept of Objects and Classes (Introduction to Java Language)
3. Concept of Data Types
4. Operators and Expressions
5. General programming and Decision Making Statements
6. Iteration through Loops
7. Functions / Methods
8. Constructors

ANNUAL :

UNIT TEST 2 :

1. Propositional Logic
2. Logic Gates
3. Iteration through Loops

PROJECT :

1. Introduction of Basic Logic Gates and Universal Logic Gates including Truth Tables and Circuit Diagrams.
2. Fifteen programs in Java based on Arrays, String Manipulations and Constructors.
3. Five programs in Python based on sequential statements, conditional statements, iterations and nested iterations.

ANNUAL EXAMINATION :

1. Propositional Logic
2. Logic Gates
3. Character Handling and String Manipulations
4. Arrays : Single and Double Dimensional
5. Basic Input / Output Data File Handling(Binary and text)
6. Trends in Computing and Ethical Issues
7. Number Systems and Arithmetic
8. Introduction to Python

*** Subject to changes as per the instructions by the Council