

ST. MICHAEL'S SCHOOL, DURGAPUR
SYLLABUS
SESSION 2026-2027
CLASS:12

This syllabus consists of 21 printed pages

SUBJECT: ENGLISH I

HALF YEARLY:

UNIT TEST 1: Proposal writing and grammar.

PROJECT: In about 1000 words write the review of a book that you have recently read and liked. Follow the given guidelines-

Details of the book- a brief on the author- plot- characters and settings- themes explored- language and narrative style- social message/relevance- why you recommend it- any other relevant point.

ORAL+ AURAL: Speaking and Listening skills.

HALF-YEARLY EXAMINATION:

Composition, Directed writing, Proposal writing, assorted grammar and comprehension.
(According to Council prescribed syllabus)

PRE-BOARD:

UNIT TEST 2: Comprehension passage

PROJECT: In about 1000 words write a featured article for your school magazine on the jubilee celebration organised in your school this year. Follow the given guidelines-

Name, date and venue of the event- the occasion and purpose of the event- guests invited and audience present- displays and performances- your role in it- special arrangements made- what you liked and disliked about the event- what you learnt from this experience- any other relevant point.

ORAL+AURAL: Speaking and listening skills.

PRE-BOARD EXAMINATION:

Composition, Directed writing, Proposal writing, assorted grammar and comprehension.
(According to Council prescribed syllabus)

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

SUBJECT: ENGLISH II

HALF-YEARLY:

UNIT TEST 1: 1 Macbeth- Act III (as far as progressed in class)
2 Telephone Conversation

PROJECT: Write in about 1500 to 2000 words-

With close reference to the story “There Will Come Soft Rains” by Ray Bradbury, answer the following questions-

- Do you think the title of the story is justified? Discuss in detail, with special relation to the poem at the end.
- Elaborate upon the usage of symbolism and imagery in the story.

HALF-YEARLY EXAMINATION:

I Drama: Macbeth by William Shakespeare (Act III and Act IV as far as progressed in class)

II Prism: A Collection of ISC Short Stories (Evergreen Publications)

1. Atithi / Guest – Rabindranath Tagore
2. The Cookie Lady – Philip K. Dick
3. There Will Come Soft Rains – Ray Bradbury

III Rhapsody: A Collection of ISC Poems (Evergreen Publications)

1. Telephone Conversation – Wole Soyinka
2. Tithonus – Alfred, Lord Tennyson
3. Beethoven – Shane Koyczan

PRE-BOARD:

UNIT TEST 2: 1 Macbeth- Act IV
2 Atithi

PROJECT: Write in about 1500 to 2000 words-

With close reference to the drama “Macbeth” by William Shakespeare, discuss the dramatic significance of the dagger episode, the banquet scene and the sleepwalking scene; with special mention of their thematic relevance and psychological bearings on the characters.

PRE-BOARD EXAMINATION:

I Drama: Macbeth: William Shakespeare (Acts III, IV and V)

II Prism: A Collection of ISC Short Stories (Evergreen Publications)

1. Atithi / Guest – Rabindranath Tagore
2. The Cookie Lady – Philip K. Dick
3. There Will Come Soft Rains – Ray Bradbury
4. Indigo – Satyajit Ray
5. The Medicine Bag – Virginia Driving Hawk Sneve

III Rhapsody: A Collection of ISC Poems (Evergreen Publications)

1. Telephone Conversation – Wole Soyinka
2. Tithonus – Alfred, Lord Tennyson
3. Beethoven – Shane Koyczan
4. Small Towns and the River – Mamang Dai
5. Death be not Proud – John Donne

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

SUBJECT - HINDI

HALF YEARLY:

WHOLE SYLLABUS FOR I S C – 2027

UNIT TEST 1:

- 1.निबंध
- 2.वाक्यों को शुद्ध कीजिए।

PROJECT :

पाठ्य पुस्तक पर आधारित या व्याकरण संबंधी।

HALF YEARLY EXAMINATION:

काव्य मंजरी –

- 1.साखी,
- 2.उद्यमी नर,
- 3.नदी के द्वीप,
- 4.अँधरे का दीपक।

गद्य संकलन -

- 1.क्या निराश हुआ जाए,
- 2.भक्तिन,
- 3.संस्कृति क्या है,
- 4.मजबूरी।

आषाढ का एक दिन - अंक तीन।

व्याकरण –

- 1.वाक्य सशोधन,
- 2.मुहावरे व कहावतें,
- 3.अपठित गद्यांश,
- 4.निबंध।

NOTE- पढ़ाए गए सभी पाठों तथा भिन्न-भिन्न तरह के प्रश्नों की पुनः आलोचना होगी एवं कक्षा ग्यारहवीं व बारहवीं में पढ़ाए गए सभी पाठ रहेंगे ।

PRE-BOARD:

WHOLE SYLLABUS FOR I S C –2027

UNIT TEST 2:

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

PROJECT :

पाठ्य पुस्तक पर आधारित या व्याकरण संबंधी ।

NOTE- कक्षा ग्यारहवीं व बारहवीं में पढ़ाए गए सभी पाठ रहेंगे । पढ़ाए गए सभी पाठों तथा भिन्न-भिन्न तरह के प्रश्नों की पुनः आलोचना होगी ।

PRE-BOARD EXAMINATION :

On entire ISC Syllabus as per as the Scope of Syllabus 2027

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

SUBJECT: BENGALI 2ND LANGUAGE

HALF YEARLY

UNIT TEST 1

ব্যাকরণ -

- এক কথায় প্রকাশ
- বাগধারা
- রচনা লিখন

ASSIGNMENT: To be notified later

HALF YEARLY EXAMINATION

প্রবন্ধ গদ্য সংকলন

- আদাব
- বীরশুক্রা
- লছমনের মা
- একটি তুলসী গাছের কাহিনি
- না পাহারার পরীক্ষা

কবিতা সংকলন

- রাস্তা কারোর একার নয়
- স্বাধীনতা তুমি
- নুন
- বাবরের প্রার্থনা
- যদি নির্বাসন দাও

মুকুট

- দ্বিতীয় অঙ্ক, (চতুর্থ থেকে ষষ্ঠ দৃশ্য পর্যন্ত) এবং
- তৃতীয় অঙ্ক তৃতীয় দৃশ্য পর্যন্ত)
- এবং একাদশ শ্রেণীতে পঠিত সমস্ত গদ্য, পদ্য ও নাটকের অংশ।

ব্যাকরণ ও নির্মিতি

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

PRE BOARD

UNIT TEST -2

- এক কথায় প্রকাশ
- বাক্যান্তর
- বাগধারা

PROJECT: To be notified later

PRE BOARD EXAMINATION

গদ্য : একাদশ ও দ্বাদশ শ্রেণীতে পঠিত সমস্ত গদ্য সমূহ ।

পদ্য : একাদশ ও দ্বাদশ শ্রেণীতে পঠিত সমস্ত পদ্য সমূহ ।

নাটক : মুকুট (সম্পূর্ণ)

ব্যাকরণ ও নির্মিতি

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

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SUBJECT- PHYSICS

HALF YEARLY:

UNIT TEST 1:

Topic- Electrostatics and current electricity.

PRACTICAL:

Practical- All electrical practical as per ISC scope of syllabus.

Project- working model on any topic related to syllabus.

HALF YEARLY EXAMINATION:

1. Electrostatics
2. Current Electricity
3. Magnetic effects of current and Magnetism
4. Electromagnetic induction and Alternating currents.

PRE BOARD:

UNIT TEST 2:

Topic- Optics and Optical instruments.

PRACTICAL:

Practical- All optical practical as per scope of syllabus.

Project- working model on any topic related to syllabus.

PRE BOARD EXAMINATION:

THEORY- Entire ISC revised syllabus 2027.

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

SUBJECT - CHEMISTRY

HALF YEARLY :

UNIT TEST 1 :

1.Solutions

HALF YEARLY EXAMINATION:

1.Solutions

2. Electrochemistry

3.Chemical Kinetics

4.The d-Block and f-Block Elements

5.Coordination Compounds

6.Haloalkanes and Haloarenes

7.Alcohols, Phenols and Ethers

8.Aldehydes, Ketones and Carboxylic acids

PRACTICAL: As per ISC 2027 syllabus (For Class 12)

PRE-BOARD:

UNIT TEST 2 :

1.Organic Compounds containing nitrogen

PRE-BOARD EXAMINATION:

Entire ISC 2027 syllabus (For Class 12)

PRACTICAL:

As per ISC 2027 syllabus (For Class 12)

* NOTE: The pattern of question paper and marking scheme is as per scope of syllabus:2027

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

SUBJECT–BIOLOGY

HALF YEARLY:

UNIT TEST 1:

1. Principal of Inheritance and Variation
2. Microbes in Human Welfare

HALF YEARLY EXAMINATION:

Paper 1 Theory

Syllabus as per ISC Scope of Syllabus-2027 which includes:

1. Unit-1 Reproduction [Complete Unit]
2. Unit-2 Genetics and Evolution [Complete Unit]
3. Unit-3 Biology and Human Welfare
 - a. Microbes in Human Welfare

Paper 2 Practical

1. Taxonomy
 - a. Malvaceae
 - b. Leguminosae
 - c. Liliaceae
 - d. Solanaceae
2. Study of arrangement of stomata in dicot and monocot leaves
3. Slide Preparation
 - a. T.S. of ovary to show marginal and axile placentation
 - b. T.S. of a hydrophyte stem
 - c. L.S. of monocot and dicot seed
4. Study of soils from two different sites
5. SPOTTING: T.S. of ovary, testis, blastula of mammal. Germinating pollen, T.S. of ovary to show the type of placentation, flowers adapted to pollination by different agencies, ecological adaptation.
6. Project work and Practical file

PRE-BOARD:

UNIT TEST 2:

1. Biotechnology: Principles and Processes
2. Molecular basis of Inheritance

PRE-BOARD EXAMINATION:

Paper 1 Theory:

Syllabus as per ISC Scope of Syllabus-2027

Paper 2 Practical:

Syllabus as per ISC Scope of Syllabus-2027

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

SUBJECT – MATHEMATICS (860)

HALF YEARLY:

UNIT TEST 1:

Relations and Functions

Matrices, Determinants and System of equations

PROJECT: To be notified later

HALF YEARLY EXAMINATION:

Relations and Functions

Algebra: Matrices, Determinants and System of equations

Inverse Trigonometric Functions

Calculus:

- Continuity and Differentiability
- Differentiation (First and Second Order)
- Application of Derivative: Rate Measure, Increasing and Decreasing Function, Tangent and Normal and Maxim and Minima
- Integration (Indefinite and Definite)

Linear Programming

PRE- BAORD:

UNIT TEST 2:

Vectors and 3D geometry

PROJECT: To be notified later

PRE BOARD EXAMINATION:

- ISC (CLASS 12) Syllabus 2027

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

SUBJECT – APPLIED MATHEMATICS (885)

HALF YEARLY:

UNIT TEST 1:

Relations and Functions

Matrices, Determinants and System of equations

PROJECT: To be notified later

HALF YEARLY EXAMINATION:

Relations and Functions

Matrices, Determinants and System of equations

Inverse Trigonometric Functions

Calculus:

- Differentiation (First and Second Order)
- Application of Derivative: Rate Measure, Increasing and Decreasing Function and Maxim and Minima
- Integration (Indefinite and Definite)

Linear Programming

Financial mathematics: Perpetuity, EMI, Rate of Return, Compound Annual Growth Rate, Linear Method of Depreciation

PRE- BAORD:

UNIT TEST 2:

Application of Calculus in Commerce and Economics

Index Numbers and Moving Averages

PROJECT: To be notified later

PRE BOARD EXAMINATION:

- ISC (CLASS 12) Syllabus 2027

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

SUBJECT – ACCOUNTS

HALF YEARLY

UNIT TEST 1 :

- Fundamentals of Partnership
- Goodwill

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

HALF YEARLY EXAMINATION:

Syllabus as per ISC Scope of Syllabus-2027 which includes

- Fundamentals of Partnership
- Goodwill
- Reconstitution of a Partnership (Admission, Retirement and Death of a Partner)
- Issue of Shares
- Issue of Debentures
- Accounting Ratios

PRE BOARD

UNIT TEST 2 :

- Accounting Ratios
- Financial Statement Analysis

PROJECT: Accounting Ratios

PRE-BOARD EXAMINATION: Entire Syllabus as per ISC Scope of syllabus-2027 for Class 12

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

SUBJECT – COMMERCE

HALF YEARLY:

UNIT TEST 1:

- Business Environment
- Financing

PROJECT: Select any Business undertaking. Study the selected business in terms of ownership, capital and profitability. Make S.W.O.T Analysis and present it in a tabular form.

HALF YEARLY EXAMINATION:

Syllabus as per ISC Scope of Syllabus-2027 which includes

- Business Environment
- Financing
- Management (Directing, Controlling and Coordinating to be addressed in Pre-board examination)

PRE- BOARD:

UNIT TEST 2:

- Principles of management
- Directing and controlling

PROJECT: Compare marketing strategies adopted by two different companies of the same industry (FMCG/Telecommunication / media / education industry etc) keeping in mind the following.

- Product mix
- Price mix
- Place mix
- Promotion mix

PRE- BOARD EXAMINATION:

Entire Syllabus as per ISC Scope of Syllabus-2027 for Class 12

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

SUBJECT- HISTORY

HALF YEARLY

UNIT TEST 1

1. Towards Independence and Partition
2. Establishment of Indian Democracy

PROJECT : To be decided by the students

HALF-YEARLY EXAMINATION:

1. Development of Indian Democracy
2. Changing Face of the Indian Democracy
3. Second World War
4. Decolonisation
5. Cold War
6. Middle East

PRE- BOARD:

UNIT TEST 2

1. Middle East
2. Movements for Womens' Rights

PROJECT : To be decided by the students

PRE-BOARD EXAMINATION

1. Protest Movements

The Entire ISC Syllabus of Class 12 (as per scope of ISC 2027)

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

SUBJECT- POLITICAL SCIENCE

HALF YEARLY :

UNIT TEST 1:

1. Forms of Government – Totalitarian , Authoritarian and Liberal Democracy
2. Forms of Government – Unitary and Federal States
3. Forms of Government – Parliamentary and Federal States
4. Introduction to the Indian Constitution
5. Fundamental Rights

PROJECT- TO BE DISCUSSED IN THE CLASS

HALF YEARLY EXAMINATION :

1. Forms of Government – Totalitarian , Authoritarian and Liberal Democracy
2. Forms of Government – Unitary and Federal States
3. Forms of Government – Parliamentary and Federal States
4. Introduction to the Indian Constitution
5. Fundamental Rights
6. Constitution
7. Franchise and the Representatives
8. The Legislature
9. Democracy in India.
10. Directive Principle of State Policy.

PRE-BOARD:

UNIT TEST 2:

1. The Executive
2. Local Self Government

PROJECT- TO BE DISCUSSED IN THE CLASS

PRE- BOARD EXAM:

On the entire ISC syllabus of Class 12 as per the scope of the syllabus 2027.

*** Subject to change as per the Instructions of the Council.

SUBJECT – GEOGRAPHY

HALF YEARLY:

UNIT TEST 1: 1. Locational Setting of India.
2. Relief of India.

PRACTICAL: Drawing of Scales and Drawing of Profiles of Important Contours.

HALF YEARLY EXAMINATION:

1. Physical Environment.
2. Population and Human Settlements.
3. Resources of India and their Utilization.
4. Infrastructural Resources.
5. Regional Economic Development.

MAP WORK:

Map of India – As per the Scope of Syllabus 2027.

PRE-BOARD:

UNIT TEST 2: 1. Minerals and Power Resources.
2. Tourism Industry.

PROJECT: A Manufacturing Industry.

PRE-BOARD EXAMINATION:

On entire ISC Syllabus as per the Scope of Syllabus 2027.

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

SUBJECT- ECONOMICS

HALF YEARLY:

UNIT TEST 1:

1. Demand and Law of Demand.
2. Elasticity of Demand.

PROJECT:

1. Ordinal Utility Approach.
2. Supply.

HALF YEARLY EXAMINATION:

Micro Economic Theory:

1. Demand and Law of Demand
2. The Theory of Consumer Behaviour
3. Elasticity of Demand
4. Supply
5. Market Mechanism
6. Laws of Returns
7. Cost and Revenue Analysis

Macro-Economic Theory:

8. Theory of Income and Employment
9. Fiscal Policy

PRE- BOARD:

UNIT TEST 2:

Money and Banking

PROJECT:

1. Balance of Payment
2. Government Budget.

PRE- BOARD EXAMINATION:

On entire ISC syllabus as per the scope of syllabus 2027.

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

SUBJECT - COMPUTER SCIENCE

HALF YEARLY :

UNIT TEST 1 :

1. Boolean Algebra
2. Array : Single and Multidimensional

PROJECT :

1. Applications of Logic Gates (includes Adders, Encoders, Decoders and Multiplexers).
2. Fifteen programs in Java based on Arrays, String manipulations and Functions / Methods.

HALF YEARLY EXAMINATION :

Syllabus as per ISC Scope of Syllabus – 2027 which includes :

1. Propositional Logic
2. Boolean Algebra
3. Computer Hardware
4. Objects and Classes
5. History and Development of Java
6. Primitive values, Type and casting, Variables and Expression
7. Operators and Expressions in Java
8. Conditional Statements and Loops
9. String Manipulations
10. Arrays : Single and Multidimensional
11. Functions / Methods
12. Implementation of algorithms to solve problems
13. Recursion
14. Inheritance, Interfaces and Polymorphism
15. Data Structure
16. Computational Complexity and BigO Notation

PRE - BOARD :

UNIT TEST 2 :

1. String Manipulations
2. Data Structure

PROJECT :

1. Algorithms with illustrations for the implementation of Stack, Queue and Single Linked Lists.
2. Fifteen programs in Java based on the Pre-Board Syllabus.

PRE – BOARD EXAMINATION :

Syllabus as per ISC Scope of Syllabus – 2027

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

SUBJECT-PHYSICAL EDUCATION

HALF YEARLY:

UNIT TEST- 1

1. Sociological aspects of physical education.
2. Training method.

PROJECT: Games(Any one)

HALF YEARLY EXAMINATION :

THEORY:

1. Career aspects in physical education.
2. Competitions and tournaments
3. Sociological aspects of physical education
4. Training methods
5. SEC-B : Any two games are to be studied-
Cricket, Football, badminton, basketball, volleyball, athletics.

PRACTICAL:

Continuous evaluation

Practical evaluation.

PRE- BOARD:

UNIT TEST- 2:

Sports injuries and first aid

PRACTICAL:

As per ISC SYLLABUS 2027

PROJECT: Games (Any one)

PRE- BOARD EXAMINATION:

THEORY:

Syllabus as per ISC Scope of syllabus - 2027

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