



INDIRA GANDHI MEMORIAL SENIOR SECONDARY SCHOOL
SYLLABUS FOR THE SESSION 2022-23
CLASS - IX

SUBJECT : ENGLISH LANGUAGE

1st. Unit Test:

1. Letter Writing - Formal and Informal

Half Yearly Examination :

1. Composition
2. Letter Writing - Formal and Information
3. Notice Writing, E-mail Writing
4. Comprehension
5. Grammar as per ICSE Syllabus (ICSE Pattern)

Project:

1. Listening Skill
2. Speaking Skill

2nd. Unit Test:

1. Composition

Annual Examination:

1. Composition
2. Letter Writing - Formal and Informal
3. Notice Writing, E-mail Writing
4. Comprehension
5. Grammar as per ICSE Syllabus (ICSE Pattern)

Project:

1. Listening Skill
2. Speaking Skill



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SUBJECT : ENGLISH LITERATURE (ENGLISH II)

3.

1st. Unit Test :

1. The Merchant of Venice - Shakespeare
Act 1 SC 1, 2, 3
 2. Poetry : Treasure Trove
 - i) The Cold within : James Patrick Kinney
 - ii) After Blenheim : Robert Southey
 3. Prose : Treasure Trove
 - i) The old man at the Bridge - Ernest Miller Hemingway.
- Project: How does the story Old Man at the Bridge show that war is detrimental to human interest.

Half Yearly Examination :

1. The Merchant of Venice : Shakespeare
Act I Sc. 1, 2, 3
Act I Sc. 1, 2, 3, 4
 2. Poetry : Treasure Trove
 - i) Television : Roald Dahl.
 3. Prose - Treasure Trove.
 - i) A Face in the Dark - Ruskin Bond
 - ii) A Horse and Two Goats - R. K. Narayan.
 - iii) The old man at the Bridge - Ernest Miller Hemingway
- [All poems and stories taught since 1st Unit Test will be included]

2nd. Unit Test :

1. The Merchant of Venice - Shakespeare
Act II Sc 4, 5, 6, 7
2. Poetry : Treasure Trove.
 - i) The Bangle Sellers - Sarojini Naidu
 - ii) Daffodils - William Wordsworth

3. Prose : Treasure Trove.

Hearts and Hands - O Henry

Project: How does the poem Bangle Sellers throw light on Sarojini Naidus conception of Indian women?

Annual Examination :

1. The Merchant of Venice : Shakespeare

Act I Sc 1, 2, 3

Act II Sc 1, 2, 3, 4, 5, 6, 7, 8, 9

Act III Sc 1

2. Poetry : Treasure Trove

i) The bangle Sellers : Sarojini Naidu

ii) The Heart of the Tree : Henry Cuyler Banner

iii) Daffodils : William Wordsworth

3. Prose : Treasure Trove

i) Hearts and Hands - O Henry

ii) Chief seattle's speech

iii) An Angel in Disguise - T. S. Arthur

[All Poems and Stories taught since 1st Unit Test will be included.]

SUBJECT : BENGALI 2ND LANGUAGE1st. Unit Test :

সংকলিতা : ছোটগল্প - গিনি

কবিতা - বঙ্গভূমির প্রতি

ব্যাকরণ : ধ্বন্যাত্মক শব্দ, সাধুচলিত

[P.T.O.]



Half Yearly Examination:

সংকলিতা : ছেটগল্ল - লালু, বামা, ক্যানভাসার, নাম, গিন্ধি।

কবিতা - সভ্যতার প্রতি, কুলিমজুর, অমলকাণ্ঠি, আবার আসিব ফিরে, বঙ্গভূমির প্রতি।

ব্যাকরণ : প্রত্যয়, অঙ্গুদি সংশোধন, ছেদচিহ্ন, উপসর্গ, অনুসর্গ, বাক্যের প্রকারভেদ ও পরিবর্তন (গঠনানুসারে), বাগধারা, ধ্বন্যাত্ম শব্দ, সাধুচলিত, রচনা (Essay), চিঠি (Letter Writing) এবং বোধ পরীক্ষণ (Comprehension)।

প্রকল্প (Project) :- 'ক্যানভাসার' গল্পের বিষয়বস্তু আলোচনা কর।

2nd Unit Test:

সংকলিতা : ছেটগল্ল - অসহযোগী

কবিতা - রবীন্দ্রনাথের প্রতি

ব্যাকরণ : পদান্তর বা পদ পরিবর্তন, বিপরীতার্থক শব্দ।

Annual Examination:

সংকলিতা : ছেটগল্ল - দেবতার জন্ম, অসহযোগী, নাম, লালু, বামা।

কবিতা - বাবু বলেন, রবীন্দ্রনাথের প্রতি, অমলকাণ্ঠি, কুলি-মজুর, আবার আসিব ফিরে।

ব্যাকরণ : এক কথায় প্রকাশ, সমার্থক বা প্রতিশব্দ, উপসর্গ, অনুসর্গ, প্রায় সমোচারিত ভিন্নার্থক শব্দ, ছেদ বা যতি চিহ্ন, ধ্বন্যাত্মক শব্দ, সাধু-চলিত, পদান্তর, বিপরীতার্থক শব্দ, রচনা (Essay), চিঠি (Letter Writing) এবং বোধ পরীক্ষণ (Comprehension)।

প্রকল্প (Project) :- বিজ্ঞানী মেঘনাদ সাহা।

SUBJECT : HINDI 2nd LANGUAGE**1st. Unit Test**

व्याकरण प्रबोध : व्यावहारिक व्याकरण

साहित्य सागर : गद्य - बात अठनी की

पद्य - साखी

Half Yearly Examination:

व्याकरण प्रबोध : प्रस्ताव लेखन, पत्र लेखन, अपठित गंदयाश व्यावहारिक व्याकरण

साहित्य सागर : गद्य - बात अठनी की, काकी, महायज्ञ का पुरस्कार।

पद्य - साखी, गिरिधर की कुड़लियों, स्वर्ग बना सकते हैं।

परियोजना 1 : बात अठनी की कहानी का उद्देश्य व सारांश (100 शब्दों में)

2nd Unit Test

व्याकरण प्रबोध : व्यावहारिक व्याकरण

साहित्य सागर : गद्य - नेताजी का चश्मा

पद्य - वह जन्मभूमि मेरी, मेघ आए

Annual Examination:

व्याकरण प्रबोध : प्रस्ताव लेखन, पत्र लेखन, अपठित, गद्याशं, व्यावहारिक व्याकरण।

साहित्य सागर : गद्य - नेताजी का चश्मा, बड़े घर की बेटी, महायज्ञ का पुरस्कार, भीड़ में खोय आदमी।

पद्य - वह जन्मभूमि मेरी, मेघ आए, सूर के पद, विनय के पद।

परियोजना 2 : मेरा प्रिय उपन्यासकार - प्रेमचन्द (300 से 400 शब्दों में)

SUBJECT : HISTORY AND CIVICS

1st. Unit Test : (20 Marks)

- Ch 1 : Our Constitution and its Salient Features. (Civics)
- Ch 1 : The Harappan Civilization (History)
- Ch 2 : Early vedic Civilization (History)

Half Yearly Examination : (80 Marks)

- Ch 2 : Fundamental Rights, Fundamental duties and Directive Principles of the State Policy (Civics)
Chapter - 1 of Civics
- Ch 3 : The Later Vedic Age (History)
- Ch 4 : India in the 6th Century BC: Rise of Jainism and Buddhism. ((History))
- Ch 5 : The Mauryan Empire (History)
- Ch 7 : The Age of Guptas (History)
- Ch 8 : South India & The Cholas. (History)
- Project Work - Chapter - 6 - The Sangam Age. (20 Marks)

2nd. Unit Test: (20 Marks)

- Ch 3 : Election & The Election Commission (Civics)
- Ch 9 : The Delhi Sultanate (History)
- Ch 10 : The Mughal Empire (History)

Annual Examination: (80 Marks)

- Ch 4 : Local Self-Government : Rural Local Institution (Civics)
- Ch 5 : Local Self-Government : Urban local Institution (Civics)
- Ch 11 : The composite culture : Bhakti movement, sufism and influence of christianity on Indian society (History)
- Ch 12 : The Renaissance (History)

Ch 13 : The Reformation (History)

Ch 14 : Industrial Revolution and capitalism and socialism (History)

SUBJECT : GEOGRAPHY

1st. Unit Test :

Ch 1 : Earth as a planet.

Ch 2 : Geographic Grid - latitudes and longitudes.

Ch 3 : Rotation and Revolution.

Half Yearly Examination :

Ch 4 : Earth's Structure.

Ch 5 : Landforms of the Earth.

Ch 6 : Rocks.

Ch 7 : Volcanoes.

Ch 8 : Earthquakes.

Ch 9 : Weathering and Denudation.

*[Including 1st Unit Chapters]

Map Pointing : Rivers, Mountains, Plateaus.

Project : Meteorological Instruments.

Practical Works : Uses of Important types of Maps.

2nd. Unit Test :

Ch 10 : Hydrosphere

Ch 11 : Composition and Structure of the Atmosphere.

Ch 12 : Insolation.

Annual Examination :

Ch 13 : Atmospheric Pressure and Winds.

Ch 14 : Humidity.

Ch 15 to 17: Pollution [Types, Sources, Effects, Preventive, Measures]

Ch 18 : Natural Regions of the World.

*[All chapters are included]

Map Pointing : Natural Regions of the world, Oceans, Sea, Gulf, Straits, Rivers, Mountains, Plateaus.

(According to council's syllabus - Whole Book)

Practical Work : Drawing and Recognising forms of Important Contours.
Directions and how to Identify them.

SUBJECT : MATHEMATICS

1st. Unit Test :

1. Rational and Irrational Numbers.
2. Compound Interest. [without using formula]
3. Compound Interest. [using formula]
4. Expansions.

Practice Book: Cutting a circle into equal sections of a small central angle to find the area of a circle by using the formula $A = \pi r^2$

Half Yearly Examination :

5. Factorisation.
6. Simultaneous Equations.
7. Indices.
9. Triangles.
10. Isosceles triangles.
11. Inequalities.
12. Mid-Point Theorem.
13. Pythagoras Theorem.

*Including 1st Unit Test syllabus.

2nd. Unit Test

8. Logarithms
14. Rectilinear Figures
16. Area and Perimeter
17. Circle
22. Trigonometry
23. Trigonometric Ratios
- Project:

Annual Examination

15. Construction
18. Statics
19. Mean and Median
20. Area and Perimeter
21. Solids
24. Solutions of Quadratic Equations
25. Complementary Angles
26. Co-ordinates
27. Graphs
28. Distances

*Including 1st Unit Test syllabus.

1st. Unit Test

- Measurement
- Motion

2nd. Unit Test:

8. Logarithms.
14. Rectilinear Figures.
16. Area Theorems.
17. Circle.
22. Trigonometrical Ratios.
23. Trigonometrical Ratios of standard Angles.

Project: Conduct a survey of a group of students and represent it graphically height, weight, number of family members, pocket money etc.

Annual Examination :

15. Construction of polygons.
18. Statics.
19. Mean & Median.
20. Area and perimeter of plane Figures..
21. Solids.
24. Solution of Right Triangles.
25. Complementary Angles.
26. Co-ordinate Geometry.
27. Graphical Solution.
28. Distance Formula.

*Including whole syllabus.

SUBJECT : PHYSICS**1st. Unit Test : 20 marks.**

- Measurement & Experimentation.
- Motion in one Dimension.

Half Yearly Examination :

- Measurement & Experimentation.
- Motion in one Dimension.
- Laws of Motion.
- Pressure in fluids and atmospheric pressure.
- Up thrust in fluids, Archimedes principle and Floatation.
- Heat & Energy.

Project -1 : All the diagrams from newton's laws of motion along with the statement of three laws of motion.

2nd. Unit Test : 20 marks.

- Reflection of light
- Propagation of sound waves

Annual Examination : 80 marks.

- Reflection of Light
- Propagation of Sound waves.
- Current Electricity.
- Magnetism.

* Including all chapters from Half yearly Examination.

Project -2 :

- All the diagrams from plane mirror & spherical mirrors.
- Uses of plane mirror & spherical mirrors.

SUBJECT : CHEMISTRY**1st. Unit Test :**

- | | |
|------|-----------------------------------|
| Ch 1 | : The language of Chemistry. |
| Ch 2 | : Chemical changes and Reactions. |

Half Yearly Examination :

Including 1st Class Test's Chapters.

Ch 3 : Water

Ch 4 : Atomic Structure and Chemical bonding.

Ch 7 : Study of Gas Laws.

2nd. Unit Test:

Ch 5 : The Periodic Table

Annual Examination :

*Includes all previous chapters and the following chapters :

Ch 8 : Atmospheric Pollution.

Ch 6 : Hydrogen

Project:

Ch 9 : A. Identification of $\text{NH}_3(\text{g})$, H_2 , O_2 , CO_2 , SO_2 and $\text{Cl}_2(\text{g})$.

B. Action of dilute H_2SO_4 on; (a) Metal, (b) Sulphide (c) Carbonate (d) Sulphite.

C. Flame Test of (Na^+ , k^+ , Ba^{+2} ion).

SUBJECT : BIOLOGY**1st Unit Test :**

1. Cell
2. The Flower
3. Pollination & Fertilisation

Half Yearly Examination :

1. Tissue
2. Seed structure & germination
3. Respiration in plants
4. Five kingdom classification

[P.T.O.]

Class - IX

POCO

SHOT ON POCO M2

5. Respiratory system
6. Hygiene
7. Diseases - cause and control

2nd Unit Test:

1. Nutrition
2. Digestive system
3. Skin

Annual Examination:

1. Skeleton
2. Economic Importance of Fungi and Bacteria
3. Aids to Health
4. Health Organisations
5. Waste generation and management

***Including Half Yearly Syllabus**

Project : Follow Biology Lab Manual

***Plant life**

1. The examination of an onion peel under the microscope to study cell
2. A cross-pollinated flower to be examined.
3. Specimen of germinating seed and its parts.

***Animal Life :**

1. The examination of human cheek cell under microscope.
2. Identification of sugar, starch, protein, fat.
3. Identification
4. Experiments to show the mechanism of breathing.

SUBJECT : ECONOMIC APPLICATIONS**1st. Unit Test :**

Meaning and Definition of Economics.

Basic Concepts of Economics

Basic Problems of an Economy.

Half Yearly Examination :

Types of Economics

The Main sectors of Indian economy:

Agriculture

Industry

Services

The Private sector in India

The Public sector in India

Rural and Urban sectors in India

And syllabus of 1st Unit Test.

Project Work :

- Functioning of a Public Sector Bank.

- Take a case of a developed country like the USA and also of a less developed country like India.

2nd. Unit Test :

Infrastructure of The Indian Economy.

Annual Examination :

Consumer Awareness

Globalisation and all chapters according to ICSE syllabus.

Project Work :

- The significance of agriculture with respect to its contribution to the (a) country's national income, (b) employment, (c) export earning.

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4. Conduct a survey of house holds of a locality nearby over a period of one week. Collect primary data by interviewing them personally through a questionnare regarding their awareness about toothpaste.

SUBJECT : COMPUTER APPLICATIONS

1st. Unit Test :

- Introduction to object oriented programming concepts.
- Elementary concept of objects and class.

Half Yearly Examination :

- Values and data types
- Operators in java
- Input in java
- conditional constructs in java

Unit Test also included

Project : 10 java Programs.

2nd. Unit Test :

- Iterative constructs in java.

Annual Examination :

- Mathematical Library Methods.
- Nested for Loops
- Computing and Ethics

Half yearly and 2nd unit test syllabus also included.

Project : Total 25 programs of java.