

Delhi Public School Megacity, Kolkata

HALF YEARLY SYLLABUS

2020-2021

CLASS-IX

HALF YEARLY SYLLABUS

2020-2021

CLASS-IX

ENGLISH LANGUAGE

ESSAY:

- | | |
|--------------------------|------------------|
| i. Descriptive | iv. Narrative |
| ii. Story Writing | v. Argumentative |
| iii. Picture Composition | |

LETTER:

- | | |
|-----------|--------------|
| i. Formal | ii. Informal |
|-----------|--------------|

Notice and E-mail writing

COMPREHENSION:

- i. Word Meanings
- ii. Questions based on unseen passage
- iii. Summary Writing

APPLIED GRAMMAR:

- | | |
|--------------------------------|-----------------------|
| i. Preposition | v. Tenses |
| ii. Direct and Indirect Speech | vi. Transformation of |
| Sentences | |
| iii. Active and Passive Voice | vii. Conjunctions |
| iv. Degrees of Comparison | |

REVIEW :

- | | |
|---------------------------------|-------------|
| i. Letter Writing | ii. Applied |
| Grammar (Tense and Conjunction) | |

ENGLISH LITERATURE

DRAMA : “Merchant Of Venice” – William Shakespeare
(Act- I; Act- II, Sc-i to vii)

PROSE : TREASURE TROVE- A COLLECTION ICSE POEMS & SHORT STORIES

- i. A Horse and Two Goats
- ii. Chief Seattle’s Speech
- iii. Old Man at the Bridge

POETRY : TREASURE TROVE- A COLLECTION ICSE POEMS & SHORT STORIES

- i. The Bangle Sellers**
- ii. The Heart of the Tree**
- iii. The Cold Within**

REVIEW : i. A Horse and Two Goats ii. The Heart of the Tree

**PROJECT : “ Nature has been so patient so far.
 She has imposed no sanctions or bar.
 She wants humans to change for good.
 Get into a real benevolent mood.”**

With reference to the poem ‘The Heart of the Tree’ by Henry Cuyler Bunner , enumerate the symbiotic relationship of Humans and Nature, justifying the quoted lines.

LAST DAY OF SUBMISSION of PROJECT : 30.06.2020

Mathematics

PURE ARITHMETIC

→ **Rational and Irrational Numbers**

COMMERCIAL ARITHMETIC

→ **Compound Interest**

ALGEBRA

- **Expansions**
- **Factorisations**
- **Simultaneous Linear Equations**
- **Problems on Simultaneous Linear Equations**

GEOMETRY

- **Triangles**
- **Mid-point Theorem**
- **Pythagoras Theorem**

MENSURATION

→ **Mensuration**

TRIGONOMETRY

→ **Trigonometrical Ratios**

→ **Trigonometrical Ratios of Standard Angles**

CO-ORDINATE GEOMETRY

→ **Co-ordinate Geometry**

Total Number of Chapters: 13

SYLLABUS OF REVIEW TEST

- ❖ **Compound Interest**
- ❖ **Expansions**
- ❖ **Triangles**

MATHEMATICS PROJECT 2020-21

TOPIC 1: STATISTICS

AIM: FIND THE MEAN, MEDIAN, MODE OF YOUR ACADEMIC PERFORMANCE.

MATERIALS REQUIRED:

INTRODUCTION: explain about mean, median, mode

PROCEDURE:

- **Tabulate your marks of any 6 subjects**
- **Draw graph to find median and mode**
- **Calculate your mean marks**

OBSERVATION: analization of your academic performance.

TOPIC 2: AREA THEOREM

AIM: DEMONSTRATION OF AREA THEOREM WITH PAPER CUTTING.

MATERIALS REQUIRE:

INTRODUCTION: statement of the two theorem with diagram.

PROCEDURE:

- **Take different color paper to show a parallelogram and 3 different triangle of same base and height as of parallelogram (different colored triangles).**
- **Record the measurement**
- **Calculate the areas**

OBSERVATION:

CONCLUSION:

BIBLIOGRAPHY: both topic

ACKNOWLEDGEMENT: both topic same

LAST DAY OF SUBMISSION of PROJECT : 10.07.2020

GEOGRAPHY

HALF YEARLY SYLLABUS

SESSION 2020-2021

CLASS IX

CLASS	COUNCIL PRESCRIBED SYLLABUS	TERM WISE DETAILED SYLLABUS
IX	<ul style="list-style-type: none">• EARTH AS A PLANET• GEOGRAPHIC GRID• MOTIONS OF THE EARTH• LANDFORMS OF THE EARTH• VOLCANOES• EARTHQUAKES• HYDROSPHERE• MAP OF THE WORLD• ATMOSPHERE• MATERIALS OF THE EARTH'S CRUST• WEATHERING AND DENUDATION• POLLUTION AND WASTE• NATURAL REGIONS• WORLD MAP	<p>HALF YEARLY :</p> <p>1.EARTH AS A PLANET-</p> <p>i)shape of the Earth.</p> <p>ii) The Earth as an oblate spheroid</p> <p>iii) The Earth :A Unique Planet</p> <p>iv) Antipodal balance between Land and water.</p> <p>v) The Moon</p> <p>2.GEOGRAPHIC GRID-</p> <p>i) Concept of latitudes(main latitudes,their location with degrees,parallels of latitude and their uses).</p> <p>ii) Concept of longitudes(Prime Meridian,time,local time,standard time,time zones, G.M.T, International Date Line,Eastern And western hemisphere).</p> <p>iii) Using latitudes and longitudes to find location, and calculation of time.</p> <p>iv) Great Circles and their uses.</p> <p>3.Motions of the Earth –</p> <p>i)Rotation(direction ,speed and its effects)</p> <p>ii) Revolution(inclined axis ,effects ,variation in the length of day and night and seasonal changes)</p> <p>3) Structure of the Earth</p> <p>Core,mantle,crust</p> <p>4.Landforms of the Earth</p> <p>a)Mountains,plateaus,plains</p> <p>b) Rocks(minerals,rocktypes,igneous,sedimentary, metamorphic,rock cycle)</p> <p>5) Volcanoes (meaning,types,effects, important volcanic zones of the world)</p>

		<p>6.Earthquakes (meaning,effects, earthquake zones of the world)</p> <p>7.Hydrosphere (meaning, tides ,ocean currents)</p> <p>8.Map of the world- Refer to Bhargava ❖ Oceans /seas/gulfs ❖ Rivers</p> <p>1st Review Test- 1.Earth as a planet. 2. Geographic grid.</p> <p>PROJECT TOPIC: Choose any one. i.Kutch -The moonland of India ii.M.P -The heart of India iii.Meghalaya- The Scotland of East</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> LAST DAY OF SUBMISSION of PROJECT : 24.06.2020 </div>
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HISTORY

The Harappan civilization

The vedic period

Jainism and Buddhism

The mauryan empire

The sangam age

The age of the guptas

The cholas

The Delhi sultanate

Civics

Our constitution

Salient features of the constitution 1

Salient features of the constitution 2

Elections

Review test 1

Our Constitution

Salient features of Constitution 1

PHYSICS

Half Yearly

- 1. Measurements and Experimentation**
- 2. Motion in one dimension**
- 3. Laws of motion**
- 4. Reflection of light**
- 5. Current electricity**

First review

- 1. Motion in one dimension**
- 2. Laws of motion**

HALF YEARLY SYLLBUS

SUBJECT – BIOLOGY

REVIEW TEST 1

Chapter No.

Chapter's Name

- | | |
|------------|--|
| 2. | Cell- The unit of life |
| 3. | Tissues: Plant and Animal Tissues |
| 16. | Diseases: Cause and Control |

HALF YEARLY

Chapter No.

Chapter's Name

- | | |
|-----------|--|
| 2. | Cell – The unit of life |
| 3. | Tissues: Plant and Animal Tissues |
| 4. | The Flower |
| 5. | Pollination and Fertilization |
| 6. | Seeds- Structure and Germination |

- | | |
|------------|------------------------------------|
| 7. | Respiration in Plants |
| 14. | The Respiratory System |
| 16. | Diseases: Cause and Control |
| 17. | Aids to Health |
| 18. | Health Organisation |

Chemistry

Half-Yearly

- 1. Language of Chemistry**
- 2. Atomic Structure and Chemical Bonding**
- 3. Study of Gas Laws**
- 4. Chemical Changes and Reactions**
- 5. Hydrogen**
- 6. Atmospheric Pollution (Acid rain only)**

Review Test I

- 1. Language of Chemistry**
- 2. Atomic Structure and Chemical Bonding**
- 3. Study of Gas Laws (Till the portion completed)**

Physical Education

Half Yearly

Section A

- 1. Human Anatomy and Physiology: - Skeletal system – Function, Bones, Classification of different types of joints, benefits of exercise on skeletal system.**

- 2. Muscular System: - Types of muscles, identification of muscles, benefits of exercise on Muscular system.**
- 3. Respiratory System :- Mechanism of Breathing, Oxygen debt ,second wind, vital Capacity, tidal volume, benefits of exercise on respiratory system**

Section B

Rules, Skills and Methods of Fitness and Games

- 1. Cricket – (Law No 1 - 10)**
- 2. Football – (Law No 1 - 6)**
- 3. Basketball – (Law No 1 – 2)**

Computer Applications

Review Test 1

- Introduction to Object Oriented Programming concepts**
- Elementary Concepts of Objects and Classes**
- Values and data types**
- Operators in Java**
- Input in Java**

Half Yearly Examination

- Introduction to object oriented programming concepts**
- Elementary concepts of objects and classes**
- Values and data types**
- Operators in Java**
- Input in Java**
- Mathematical library methods**
- Conditional constructs in Java**
- Iterative constructs in Java**

ECONOMIC APPLICATION

HALF YEARLY

- 1. Basic concepts of Economics**
- 2. Definitions of economics**
- 3. Basic entities of Economics**
- 4. Basic problems of an economy**
- 5. Types of Economies**
- 6. Indian economy –an overview**
- 7. Agricultural sector**

First Review test

- 1. Basic concepts of Economics**
- 2. Definitions of economics**

Project topic

Present a report on the expenditure pattern of the students of your class at the school canteen

Prepare a questionnaire to conduct a survey among at least 20 students belonging to class IX but not necessarily your own section. You will need to attach one blank questionnaire with your final project report.

You may include the following points

- ❖ Percentage of students bringing food from home regularly**
- ❖ Percentage of students buying food from canteen three days per week or more.**
- ❖ Range of money spent.**
- ❖ Choice of food bought.**

Project guidelines

- ❖ The project is to be submitted in a lace file**
- ❖ The file must be covered with brown paper.**
- ❖ On the cover the following details are to be provided in block letters:
NAME, CLASS, SECTION, ROLL NUMBER, PROJECT TOPIC HEADING**

LAST DAY OF SUBMISSION of PROJECT : 27.07.2020

Commercial Studies

Half Yearly Syllabus:

- 1. Commercial Activities**
- 2. Important Departments of Commercial Organisation.**
- 3. Communication in Commercial Organisation.**

(As per ICSE Scope of Syllabus 2021-2022)

Project Topics:

- 1. Role and Impact of Two Social Media in Commercial World.**
- 2. Different Documents (Any Four) used in a Commercial Bank.**
- 3. Details of one Public Sector and one Private Sector Enterprise operated in India.**

DATE OF SUBMISSION OF PROJECT: 15TH JUNE, 2020
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First Review Topics:(As Per Icse Scope Of Syllabus 2021)

- a) Commercial and Non Commercial Activities**
- b) Types of Commercial Activities**
- c) Business Activities**
- d) Non Profit Organisations**
- e) Commerce**
