

SYLLABUS FOR ACADEMIC SESSION (2021-2022)

CLASS- IX

PHYSICS

CHAPTER NO.	TOPIC
8	MOTION
9	FORCE AND LAWS OF MOTION
10	GRAVITATION
11	WORK AND ENERGY
12	SOUND

SYLLABUS DISTRIBUTION

PRE-TERM-I: CHAPTER: 8 (up to and including article 8.4.2 of science NCERT text book).

PRE-TERM-II: CHAPTER: 8

FIRST TERM: CHAPTERS: 8,9 and 10 (up to and including article 10.4.1 of science NCERT text book)

SECOND PRE-TERM-I: CHAPTER: 10

SECOND PRE-TERM-II: CHAPTER: 11

FINAL TERM : CHAPTERS: 8,9,10,11,12

CHEMISTRY SYLLABUS 2021-22

CLASS IX

Unit No. I Matter-Its Nature and Behaviour

Unit Marks: 27

CHEMISTRY SYLLABUS IN NCERT TEXT BOOK	DELETED PORTIONS	CHEMISTRY REVISED /REDUCED SYLLABUS 2021-22
1.Matter In Our Surroundings: Definition of matter; solid, liquid and gas; Characteristics-shape, volume, density, change of state-melting, freezing, evaporation, condensation, sublimation	Matter In Our Surroundings: Definition of matter; solid, liquid and gas; Characteristics-shape, volume, density, change of state-melting, freezing, evaporation, condensation, sublimation	NONE
2.Is matter around us pure: Elements, compounds and mixtures. Heterogeneous and homogeneous mixtures, colloids and suspensions.	NONE	Is matter around us pure: Elements, compounds and mixtures. Heterogeneous and homogeneous mixtures, colloids and suspensions.
3.Atoms and molecules: Laws of Chemical combinations, Valency, Names and Symbols of some ions Chemical formula of common compounds. Atomic and molecular masses. Mole concept: Relationship of mole to mass of the particles and numbers.	NONE	3.Atoms and molecules: Laws of Chemical combinations, Valency, Names and Symbols of some ions Chemical formula of common compounds. Atomic and molecular masses. Mole concept: Relationship of mole to mass of the particles and numbers.
4. Structure of atoms: Electrons, protons and neutrons. Chemical formula of common compounds. Isotopes and Isobars.	NONE	4. Structure of atoms: Electrons, protons and neutrons. Chemical formula of common compounds. Isotopes and Isobars.

SYLLABUS DISTRIBUTION AS PER REVISED SYLLUABUS

S.NO	EXAMINATION	CHAPTERS/TOPICS INCLUDED
1	PRE TERM-I	CHAPTER 2.IS MATTER AROUND US PURE(2.1&2.2)
2	PRE TERM-II	CHAPTER 2.IS MATTER AROUND US PURE (2.3)- SEPARATING THE COMPONENTS OF A MIXTURE
3	FIRST TERM	CHAPTER 2.IS MATTER AROUND US PURE CHAPTER 3.ATOMS AND MOLECULES(3.1,3.2,3,3 &3.4)
4	SECOND PRE TERM-I	CHAPTER 3.AOTMS AND MOLECULES(Complete chapter)
5	SECOND PRE TERM-II	CHAPTER 3.AOTMS AND MOLECULES(3.5) CHAPTER 4.STRUCTURE OF THE ATOM(4.1&4.2)
6	FINAL TERM	2. IS MATTER AROUND US PURE 3. AOTMS AND MOLECULES 4. STRUCTURE OF THE ATOM

This syllabus may be revised further according to the instructions suggested by DOE/CBSE

MOUNT ST. MARY'S SCHOOL
SYLLABUS 2021-22
CLASS-9 BIOLOGY

FIRST TERM

- PRE-TERM 1: Chapter 5 and Chapter 6 including article 6.1 and 6.2
- PRE-TERM 2: Chapter 6 from article 6.3 onwards and Chapter 7 till 7.3.3
- FIRST TERM: Chapter 5,6,7

FINAL TERM

- SECONF PRE-TERM 1: Chapter 7 (Article 7.3.4 onwards) and Chapter13
- SECOND PRE-TERM 2: Chapter 14 and 15
- FINAL EXAMINATION: Chapter5,6,7,13,14,and 15

MOUNT ST. MARY'S SCHOOL
MATHS SYLLABUS
CLASS-IX
SESSION -2021-22

PRETERM1

1. CoordinateGeometry
2. Probability

PRE TERM 2

1. Lines and Angles
2. NumberSystem

HALF YEARLY

1. CoordinateGeometry
2. Probability
3. IntroductiontoEuclid'sGeometry
4. NumberSystem

5. Polynomials
6. Lines and Angles
7. Triangles
8. Heron's Formula

POST TERM 1

1. Linear Equations in two variables
2. Quadrilaterals

POST TERM 2

1. Statistics
2. Area of parallelograms and triangles

FINAL TERM

1. Coordinate Geometry
2. Probability
3. Introduction to Euclid's Geometry
4. Number System
5. Polynomials
6. Lines and Angles
7. Triangles
8. Heron's Formula
9. Linear Equations in two variables
10. Quadrilaterals
11. Area of parallelograms and triangles
12. Surface Area and Volume
13. Statistics
14. Circles
15. Constructions

NOTE: Activities and Assignments based on AIL (art integration learning) will be carried out every month.

हिन्दी कक्षा नवीं
2021 - 2022

प्री-टर्म -1

स्पर्श- गद्य- दुःख का अधिकार
पद्य- रैदास
व्याकरण- उपसर्ग, प्रत्यय, श्रुतिसमभिन्नार्थक शब्द, विलोम, पर्यायवाची

प्री-टर्म -2

स्पर्श- गद्य- एवरेस्ट: मेरी शिखर यात्रा
संचयन- गिल्लू
व्याकरण- उपसर्ग, प्रत्यय, श्रुतिसमभिन्नार्थक शब्द, विलोम, पर्यायवाची

अर्ध वार्षिक

- स्पर्श- गद्य- तुम कब जाओगे, अतिथि, कीचड़ का काव्य, दुःख का अधिकार,
एवरेस्ट: मेरी शिखर यात्रा, धूल (केवल पढ़ने के लिए)
पद्य- रहीम, रैदास, आदमीनामा
संचयन- स्मृति, गिल्लू
व्याकरण- प्रत्यय, उपसर्ग, शब्द और पद, विलोम, अर्थ के आधार पर वाक्य भेद, पर्यायवाची
पत्र(अनौपचारिक), अनुच्छेद, अनुस्वार, अनुनासिक, संवाद, नारा लेखन, संदेश लेखन
अपठित गद्यांश, पठित काव्यांश + प्रथम त्रैमासिक पाठ्यक्रम, पठित गद्यांश

प्री-टर्म -1

- स्पर्श- गद्य- धर्म की आड़, तुम कब जाओगे,
पद्य- एक फूल की चाह
व्याकरण- अनुस्वार, अनुनासिक, अर्थ की दृष्टि से वाक्य के भेद , पर्यायवाची, विलोम,
श्रुतिसमभिन्नार्थक शब्द

प्री-टर्म -2

- स्पर्श- गद्य- शुक्रतारे के समान, अतिथि
संचयन- हामिद खाँ
व्याकरण- अनुस्वार, अनुनासिक, अर्थ की दृष्टि से वाक्य के भेद , पर्यायवाची, विलोम,
श्रुतिसमभिन्नार्थक शब्द

वार्षिक परीक्षा

- स्पर्श- गद्य- दुःख का अधिकार, एवरेस्ट: मेरी शिखर यात्रा, अतिथि तुम कब जाओगे,
कीचड़ का काव्य, धर्म की आड़, शुक्रतारे के समान
पद्य- अग्निपथ, नए इलाके में..., खुशबू रचते हैं हाथ..., रैदास, रहीम,
एक फूल की चाह, आदमीनामा
संचयन- गिल्लू, स्मृति, दिए जल उठे, हामिद खाँ
व्याकरण - उपसर्ग, प्रत्यय , शब्द और पद, विलोम, अर्थ के आधार पर वाक्य भेद, पर्यायवाची
पत्र(अनौपचारिक), अनुच्छेद, अनुस्वार, अनुनासिक, संवाद, नारा लेखन, संदेश लेखन
अपठित गद्यांश, पठित काव्यांश, श्रुतिसमभिन्नार्थक शब्द, पठित गद्यांश

(संपूर्ण पाठ्यक्रम)

SOCIAL SCIENCE
CLASS IX - (2021-2022)
(CODE NO. 087)

HISTORY:

1. The French Revolution
2. Socialism in Europe and the Russian Revolution
3. Nazism and the Rise of Hitler

GEOGRAPHY:

1. India- Size and Location
2. Physical Features of India
3. Drainage (This Chapter has been deleted from the syllabus, Only Map work to be done)
4. Climate
5. Natural Vegetation and Wildlife
6. Population (This Chapter has been deleted from the syllabus)

POLITICAL SCIENCE:

1. What is Democracy? Why Democracy?
2. Constitutional Design
3. Electoral Politics
4. Working of Institutions

ECONOMICS:

1. The Story of Village Palampur
2. People as Resource
3. Poverty as a Challenge
4. Food Security in India (This Chapter has been deleted from the syllabus)

EXAMINATION SYLLABUS

TERM -I (PRE-TERM-1)

- Ch1- The French Revolution (till page 7) (HISTORY)
Ch1- What is Democracy? Why Democracy? (POLITICAL SCIENCE)
Ch1- India- Size and Location (GEOGRAPHY)

TERM -I (PRE-TERM-2)

- Ch1- The French Revolution (Page no 8-24) (HISTORY)
Ch2- Constitutional Design (POLITICAL SCIENCE)
Ch1- The Story of Village Palampur (ECONOMICS)

HALF YEARLY EXAMINATION:

HISTORY:

- Ch1- The French Revolution
Ch2- Socialism in Europe and the Russian Revolution

POLITICAL SCIENCE:

- Ch1- What is Democracy? Why Democracy?
Ch2- Constitutional Design

GEOGRAPHY:

- Ch1- India- Size and Location
Ch2- Physical Features of India
Ch3- Drainage (Only Map skills)

ECONOMICS

- Ch1- The Story of Village Palampur
Ch2- People as Resource

SECOND TERM (PRETERM-1)

- Ch3- Nazism and the Rise of Hitler (Till Page no 55) (HISTORY)
Ch3- Electoral Politics (POLITICAL SCIENCE)
Ch4- Climate (GEOGRAPHY)
Ch3- Poverty as a Challenge (ECONOMICS)

SECOND TERM (PRETERM-2)

- Ch3- Nazism and the Rise of Hitler (Page no 56-73) (HISTORY)
Ch4- Working of Institutions (POLITICAL SCIENCE)
Ch1- India- Size and Location (GEOGRAPHY)
Ch2- People as Resource (ECONOMICS)

FINAL EXAMINATION

Ch 5-Natural Vegetation and Wildlife.

Full syllabus of History, Political Science, Geography and Economics including Geography

Class 9 Syllabus – English 2021 - 22

Pre Term 1

Beehive - 1.The Fun They Had

2. The Road Not Taken

Pre Term 2

Beehive - 1. The Sound of Music

2. Wind

Half Yearly

- Beehive -**
1. The Fun They Had
 2. The Road Not Taken
 3. The Sound of Music
 4. Wind
 - 5.The Little Girl
 - 6.Rain on the Roof
 7. A Truly Beautiful Mind
 8. The Lake Isle of Innisfree
 - 9.The Snake and the Mirror
 - 10.A Legend of the Northland
 11. My Childhood
 - 12 No Men Are Foreign

- Moments :**
- 1.The Lost Child
 2. The Adventures of Toto
 - 3.Ishwaran the Storyteller
 4. In The Kingdom of Fools
 5. The Happy Prince

Unit 2

Pre Term 1

- Beehive :**
- 1.A Truly Beautiful Mind
 2. The Lake Isle of Innisfree

Pre Term 2

Beehive : 1.The Snake and the Mirror

2.A Legend of the Northland

Final Examination

Beehive : 1.Packing

2.The Duck and the Kangaroo

3.Reach For the Top

4.On Killing a Tree

5.The Bond of Love

6.The Snake Trying

7.Kathmandu

8.A Slumber Did My Spirit Seal

9.If I Were You

Moments :

1. Weathering the Storm in Ersama 2.The Last Leaf

3.A House is not a Home

4.The Accidental Tourist

5.The Beggar

Class 9 AI Syllabus -2021-22

Pre Term-1 (First Term)

Chapter 1 – Inspire and Acquire Module

Chapter 2 – Domains of AI (Data, CV, NLP)

Pre Term-2 (First Term)

Chapter 3- Applications of AI in solving real world issues

Half Yearly Exam

Part A - Employability Skills:

Unit 1- Communication Skills-1 Unit

2- Self Management Skills-1

Python Basics

Part B- Subject Specific Skills:

Chapter1 – Inspire and Acquire Module
Chapter2 – Domains of AI (Data, CV, NLP)
Chapter 3- Applications of AI in solving real world issues

Second Term

Pre Term-1 (Second Term)

Part A- Employability Skills: ICT
Skills-1
Entrepreneurial Skills-1

Part B- Subject Specific Skills:
Chapter 4 – Ethics in AI

Pre Term-2 (Second Term)

Part A - Employability Skills: Green
Skills-1

Part B:- Subject Specific Skills:
Chapter 5 – Understanding AI Project Cycle

Final Term Examination

Python –
Chapter 7- Basics of Python for use in AI projects

Part B- Subject Specific Skills:
Chapter 6 – Getting started with Neural Networks
Chapter 4 - Ethics in AI
Chapter 5 – Understanding AI Project Cycle
Part A- Employability Skills:
ICT Skills-1
Entrepreneurial Skills-1 Green Skills-1
