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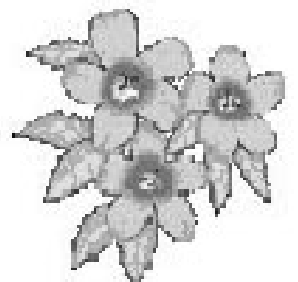
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SYLLABUS - 2017-2018

CLASS - IX



INDEX

1. Science
2. Maths
3. Social Studies
4. English
5. Hindi
6. Sanskrit
7. Marathi
8. Computer
9. Subject Enrichment Activities

- ❖ ***I Term Exam shall include Periodic Test - I Portion***
- ❖ ***Annual Examination shall include the entire syllabus***

Subject – Science

Physics

<u>April</u>	:	Motion (First half)
<u>June</u>	:	Motion (Second half) Force and laws of motion (First half)
<u>July</u>	:	Periodic Test - I Force and laws of motion (Second half)
<u>August</u>	:	Work and Energy Power
<u>September</u>	:	Gravitation I Term Examination
<u>October</u>	:	Flotation
<u>November</u>	:	Sound (First half)
<u>December</u>	:	Periodic Test - II Sound (Second half)
<u>January</u>	:	Preliminary Exam, Revision
<u>February</u>	:	Revision
<u>March</u>	:	Annual Examination

Practicals

1. To determine the density of a solid.
2. To establish the relation between the loss in weight of a solid when fully immersed in tap water, with the weight of water displaced by it by taking at least two different solids.
3. To verify laws of reflection of sound
4. To determine the velocity of a pulse propagated through a stretched string / slinky.

PORTION FOR MULTIPLE CHOICE QUESTIONS

The practical skill based multiple choice question paper will be based on the list of experiments included in class IX portion

Chemistry

<u>April</u>	:	Matter in our surroundings (First half)
<u>June</u>	:	Matter in our surroundings (Second half)
<u>July</u>	:	Is matter around us pure (First half)
		Periodic Test - I
<u>August</u>	:	Is matter around us pure (Second half) Atoms & Molecules (First half)
<u>September</u>	:	I Term Examination
<u>October</u>	:	Atoms & Molecules (Second half) Structure of Atom (First half)
<u>November</u>	:	Structure of Atom (Second half)
<u>December</u>	:	Periodic Test - II
<u>January</u>	:	Preliminary Exam
<u>February</u>	:	Revision
<u>March</u>	:	Annual Examination

Practicals (Chemistry)

1. Types of chemical reactions
2. Melting point and boiling point
3. Solutions, Colloids and Suspensions
4. Mixture and Compounds
5. Solution of components of a mixture
6. Law of conservation of mass

Biology

<u>April</u>	The fundamental unit of life (First half)
<u>June</u>	The fundamental unit of life (Second half)

<u>July</u>	Periodic Test - I Tissues
<u>August</u>	Diversity
<u>September</u>	Why do we fall ill? I Term Examination
<u>October</u>	Improvement in food resources (First half)
<u>November</u>	Improvement in food resources (Second half)
<u>December</u>	Natural Resources Periodic Test - II
<u>January</u>	Preliminary Exam
<u>February</u>	Revision
<u>March</u>	Annual Examination

Syllabus for Biology Practicals
List of Experiments

1. To prepare stained temporary mounts of Human cheek cells & onion peel & record observations and draw labelled diagrams.
2. To identify parenchyma and sclerenchyma tissue (plants), striped muscle fibres and nerve cells in animals, from prepared slides and to draw their labelled diagrams.
3. To study the characteristic of Spirogyra, Agaricus, Moss, Fern, Pinus (male or female cone) and an Angiospermic plant.
Draw and give two identifying features of groups they belong to.
4. To observe and draw the given specimens earthworm, cockroach, bony fish and bird. For each specimen record -
 - a) one specific feature of its phylum,
 - b) one adaptive feature with reference to its habitat.
5. To study the external features of root, stem, leaf and flower of monocot and dicot plants.

Subject : Mathematics

<u>April</u>	Polynomials
<u>June</u>	Number System Heron's Formula Coordinate Geometry
<u>July</u>	Periodic Test - I Introduction to Euclid's Geometry Lines and Angles Triangles
<u>August</u>	Probability Circles
<u>September</u>	Linear Equations in two variables Constructions I Term Examination
<u>October</u>	Surface Area and Volumes
<u>November</u>	Quadrilaterals Area of parallelograms & Triangles
<u>December</u>	Periodic Test - II Statistics
<u>January</u>	Preliminary Exam
<u>February</u>	Revision
<u>March</u>	Annual Examination

Subject : Social Studies

April

History	The French Revolution
Geography	India - Size and Location
Economics	The Economic story of Palampur
Political Science	Democracy in the contemporary world

June

History	The French Revolution (contd.) Socialism in Europe & the Russian Revolution
Geography	Physical Features of India
Economics	The Economic story of Palampur
Political Science	What is Democracy? Why Democracy?

July

Periodic Test - I

History	Socialism in Europe & the Russian Revolution (contd.)
Geography	Drainage
Political Science	Constitutional Design
Economics	People as Resource

August

History	Nazism and the Rise of Hitler
Geography	Climate
Political Science	Constitutional Design (contd.) Electoral Politics
Economics	Poverty as a Challenge

September

I Term Examination

October

History	Peasants and Farmers
Geography	Natural Vegetation
Political Science	Electoral Politics
Economics	Poverty as a challenge

November

History	Peasants and Farmers (contd.)
Geography	Population
Political Science	Working of Institutions
Economics	Food Security

December

Periodic Test - II

Geography	Population (contd.)
Political Science	Democratic Rights (contd.)
Economics	Food Security (contd.)

January

Preliminary Exam

February

Revision

March

Annual Examination

Subject : English

April

Literature	-	How I Taught My Grandmother to Read The Road Not Taken
Grammar	-	Verb Forms Future Time Reference

June

Literature	-	The Brook A Dog Named Duke
Novel	-	Three Men in a Boat (Chapter 1-4)

July

- **Periodic Test - I**
(includes grammar integrated)

Literature	-	The Solitary Reaper
MCB	-	Adventure
Grammar	-	Reported Speech
Novel	-	Three Men in a Boat (Chapter 5 - 7)

August

- Literature - Villa For Sale
The Man Who Knew Too Much
The Seven Ages
- MCB - Environment
- Novel - Three Men in a Boat (Chapter 8 - 10)
- Grammar - The Passive
Determiners

Assessment of Listening and Speaking Skills

September -

- Literature - Oh, I Wish I'd Looked After Me Teeth
Keeping it from Harold
- Novel - Three Men in a Boat (Chapter 11 - 15)

I Term Examination

October

- MCB - Mystery

November

- Literature - Song of the Rain
Best Seller
The Bishop's Candlesticks
- MCB - Children
- Grammar - Modals
Connectors
Prepositions

December - **Periodic Test - II**

- MCB - Sports and Games
(includes grammar integrated)

January Preliminary Exam

February Revision

March **Annual Examination**

August

Heep keAuuet keAonej keA GveekeAei e
ceje e í eí e-mee eí/epoe HamlekeAeue³e
SkeA HeAue keA [®]een

J³eekAej Ce DeHeep le ieop³eAe/Heop³eAe
Deve[®]í o ueKeve
meAeo-ueKeve
eíe%eeHeve
C M³e-JeCeAe
He\$e-ueKeve (DeveeAe[®]eeefj keA He\$e)

I Term Examination

September

Heep Jek/eeefvekeA [®]eíevee keA JeenkeA
ieeAe-DeieeAe
keA[®]eeE keA keAej³e

J³eekAej Ce cejelej
Jeeke[®]e keA Deie
meAe
eíej eece[®]evn
GHeAeie - Oel³e³e

October

Heep neeAeo Keel
DeeijveHeLe
Oece keA DeeeE

J³eekAej Ce Deve[®]í o
He\$e-ueKeve (DeveeAe[®]eeefj keA)

November

heep eAue peue Gp:
Me-eAí eej keA meeceve
KeAmejet j[®]eíe ní neLe ...

J³eekeAj Ce
eJejee e^Rende
Deve^Ri d
Dehep le ieDeeMe/HeDeeMe
melleo ueKeve

December
heep
veS FueekeA ce ...

J³eekeAj Ce
eJe%eeHeve

January
Preliminary Exam

February
Revision

March
Annual Examination

Subject : Sanskrit

HejI keA
1. ceCekete Yeeie - 1
2. ceCekete DeY³eeme Yeeie - 1

April

Heep
IeIedI JecedDeefme

J³eekeAj Ceced
G^Reej Ce mLeevee^re
JeCeeHeepveced JeCeeHeev^remeced
mJej meeqOee

MeYo^CHeeCe - yeuuekele, jcee, HeAue, cealle, kelele

Denceod³eeceod³ekelced Foca (eSe-e^{ue*}ilece)

Oeele^CHeeCe - Hej mceHeoe - Yet, Hepd nmed veced ieca, velled

MekA (uei d uei d ue* d uekelej se)

DeelceveHeeove - meded ueYa

heSe ueKeveca

June

Heep

Deeflekele Hej ceefleod Heoca

HeeLe³eece

mJamLeleEecea

J³eekeAj Cece

Ùel³eeë - Iegeyed koll Jee, uzeha

Meyo[©]HeeCe - meeOeg ceele₇ ehele₇ oele₇ ceOeg veoc, ³eeleq

Iela (e\$e-e due* ðeseq)

July

heep

Periodic Test - I

Yeelamvenmle ogueXeë

J³eekeAj Cece

Deheep le ieDeeMceca

uei q uei q ue* (uckelej se

Oeele[©]heeeCe - GYe³heefoveë veer, n, Yeepeq he[®]a

GheheodHeYeekell evee ðe³eeieë

August

heep

eHeDe³ee Yeef/le meoðe\$eë

Iej Je veceeçmle

keAcce\$ee ³eeall e meefmeefx ca

eHepe³eece mJeoMee

J³eekeAj Cece

kelle, kellelele ðel³ee

Meyo[©]heeeCe - j epeve, Yejele

e[®]e\$eJeCeececa

Jze_peve meðDe

September

Heep

keAeçncea Jeo le meeçDelecca

J³eekeAj Ce

Oeele[©]heeeCe

Hej mceheefove - Demed nved -eA0e, Deehed F<ed He[®]i

(ueei | eHeeDeeue* (uckelej ³ees)

GYe³heefove - veer, n, Yeepeq he[®]a

(ueei | eHeeDeeue* uckelej ³ees)

I Term Examination

October

heep

ve Decokex se Je³ee meceer#³ele

keAJe³eece Je³eece ³eece

J³eekeAj Cece

Meyo[©]HeeCe - Deelceved eDeUmed ie[®]i la

Oeele[©]HeeCe - (ueei d eDeeDeeue* uekeAj³ees)

Hej mceDeeove - keA, %ee, Ye#ed e[®]evle

DeelceveDeeove - a[®]ed ceed³ee[®]a

GHHeoDeYekal eervee De³eeie

November

heep

Yeej lee³e eDe%eevece

Yeej leeveceDe ce peeleve peelevece

J³eekeAj Cece

Dee³ee - Mele Je Meeve[®]a

Meyo[©]HeeCe - SkeA, eU, eSe, [®]eiej d he[®]eva

December

J³eekeAj Ce

Periodic Test - II

eDeeie meeDe

e[®]eSeCece / Deve[®]i d ueKevece

heSe ueKevece

Deeple ieDeeMeece

January

Preliminary Exam

February

Revision

March

Annual Examination

Subject : Marathi

April

keAeelee

meDeeCee

June

Heep

oMeeoMee[®]e %eeveDej

mLuelee[®]eve Heep

Je#e meDeej

J³eekeAj Ce

Meyo[®]ee peeleer, He³ee³ee Meyo

meDee ueKeve (Dialogue Writing)

July

Periodic Test - I

Heep

ceePee DeeF,

J³eekeAj Ce

keAeU DeeeCe I³ee[®]e OekeAej

eUee

Je[®]eve

August

Heep

ceuee Ie [eUeeCeej: eMe#ekeA

keAceej ebae uee keAe³e

keAeelee

LeF, LeF, Oeeje

ceeCame Depetre ieeT MeekeAeele

mLeuelee[®]eve Heep

J³eekeAj Me cee [ieeUkeAj ³ee[®]ee e[®]e\$keAuee

J³eekeAj Ce

JeekPe MeepOe keAj e

Oe³eeie

eUeejee[®]evn:

eUeejee ueKeeve (Essay Writing)

September

Heep

eMe#ee

[®]eeje

mLeuelee[®]eve Heep

ceePee DeY³eeame, ceePe í b

J³eekeAj Ce

meceame, eUeejee[®]evn:

JeekPe MeepOe keAj e

I Term Examination

October

Heep

[®]eeje

oej Iej e[®]e meoule yeb

keAeelee

HeeCee

J³eekeAj Ce

meceeeveeLee Meyo, eUee[©]oUeeLee Meyo

keAeeueeKeeve (Story Writing)

November

Help
kelele
JeekeAj Ce
cepelej ie[©]pea
Jeei sej lea kele[®]ee id
me[®]eevehe\$e ueKave
he\$eueKave (ceeiCea he\$e)

December

mLeuelee[®]ve Help
J³eekeAj Ce
Periodic Test - II
Fm\$ee³eue oMe[®]e
Meyo mecehekeAj ee SkeA Meyo eduehCe
Jeekehe[®]eej

January

Preliminary Exam

February

Revision

March

Annual Examination

Subject : Computer

April

Convergence of Technologies

June

Computer Software

Word Processor

July

Word Processor

August

MS Windows

September

Word Processor

I Term Examination

October

Spread sheet tool

November

Spread sheet tool

December

Spread sheet tool

January

Presentation Tool

February

Presentation Tool

March

Annual Examination

Subject Enrichment Activity

Science

- Science Practicals - 5 Marks
(Experiment, Viva and Journal)
Notebooks (CW / HW) - 5 Marks

Maths

- Maths Lab Activity - 5 Marks
CW/HW - 5 Marks

Social Studies

- Project - 5 Marks
CW/HW - 5 Marks

English

- Note books - 5 Marks
ASL - 5 Marks

Arabic

- Oral/He (e-e-elem leg Dem leg ekeAj Ce) - 5 Marks
ienkele³e / keA#ekele³e (omrekeA ueKeve, mejeKe) - 5 Marks

Arabic

- ienkele³e / keA#ekele³e (omrekeA ueKeve kele³e& mejeKe) - 5 Marks
Oral/He (Dem leg ekeAj Ce, e-e-e%eeve) - 5 Marks

Arabic

- Oral/Hekele³e (Project) - 5 Marks
(e-e-eveveej meoj ekeAj Ce, e-e-e³e³e %eeve, Mejo ueKeve)
ienkele³e / Jeikele³e - 5 Marks