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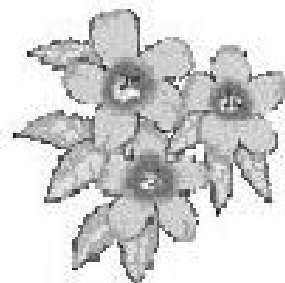
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SYLLABUS - 2019-2020

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 Periodic Test - II
<u>October</u>	:	Floatation
<u>November</u>	:	Sound (First half)
<u>December</u>	:	Periodic Test - III
<u>January</u>	:	Sound (Second half)
<u>February</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>	:	Periodic Test - I Is matter around us pure (First half)
<u>August</u>	:	Is matter around us pure (Second half)
<u>September</u>	:	Periodic Test - II
<u>October</u>	:	Atoms & Molecules (First half)
<u>November</u>	:	Atoms & Molecules (Second half)
<u>December</u>	:	Periodic Test - III
<u>January</u>	:	Structure of Atom
<u>February</u>	:	Annual Examination

Practicals (Chemistry)

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

Biology

<u>April</u>	The fundamental unit of life (First half)
<u>June</u>	The fundamental unit of life (Second half) Tissues (half)
<u>July</u>	Periodic Test - I Tissues (half)
<u>August</u>	Diversity

<u>September</u>	Why do we fall ill? Periodic Test - II
<u>October</u>	Improvement in food resources (First half)
<u>November</u>	Improvement in food resources (Second half)
<u>December</u>	Periodic Test - III
<u>January</u>	Natural Resources
<u>February</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 Introduction to Euclid's Geometry Heron's Formula Coordinate Geometry
<u>July</u>	Periodic Test - I Lines and Angles Triangles
<u>August</u>	Probability Circles
<u>September</u>	Linear Equations in two variables Constructions Periodic Test - II
<u>October</u>	Surface Area and Volumes Quadrilaterals
<u>November</u>	Area of parallelograms & Triangles
<u>December</u>	Periodic Test - III
<u>January</u>	Statistics
<u>February</u>	Annual Examination

Subject : Social Studies

April

History	The French Revolution
Geography	India - Size and Location
Economics	The Economic story of Palampur

June

History	The French Revolution (contd.)
Geography	Physical Features of India
Economics	The story of village Palampur
Political Science	What is Democracy? Why Democracy?

July

History	Periodic Test - I Socialism in Europe & the Russian Revolution Constitutional Design Drainage People as Resource
Political Science	
Geography	
Economics	

August

History	Socialism in Europe & The Russian Revolution (contd.)
Geography	Climate
Political Science	Electoral Politics
Economics	Poverty as a Challenge
<u>September</u>	Revision of Lessons

Periodic Test - II

October

History	Nazism and the Rise of Hitler
Geography	Natural Vegetation
Political Science	Working of Institutions
Economics	Poverty as a challenge

November

History	Nazism and the Rise of Hitler (contd.)
Geography	Population
Political Science	Democratic Rights (contd.)
Economics	Food Security

December

Periodic Test - III

January

History	Forest society and colonialism
Geography	Population (contd.)
Political Science	Democratic Rights
Economics	Food Security (contd.)

February

Annual Examination

Subject : English

April

Literature	-	The Fun They Had The Road Not Taken Wind
Supplementary	-	The Lost Child
Grammar	-	Tenses

June

Literature	-	The Sound of Music The Little Girl Rain on the Roof
Supplementary	-	The Adventures of Toto
Grammar	-	Modals

July

	-	Periodic Test - I
Literature	-	A Truly Beautiful Mind The Lake Isle of Innisfree
Supplementary	-	Iswaran the Story Teller
Grammar	-	Reported Speech

August

Literature	-	My Childhood The Snake and the Mirror A Legend of the Northland
Supplementary	-	The Happy Prince In the Kingdom of Fools

Grammar - Passive Voice

September

Grammar - Subject Verb Concord

Periodic Test - II

October

Literature - The Bond of Love
Packing
The Duck and the Kangaroo
No Men Are Foreign
Tree Reach For The Top

Supplementary - The Last Leaf
Weathering The Storm in Ersama

Grammar - Clauses

November

Literature - On Killing A Tree
Kathmandu
A House is not a Home

Grammar - Determiners

December

Literature - The Snake Trying
Supplementary - The Accidental Tourist

Periodic Test - III

January

Literature - A slimmer Did My Spirit Seal
If I Were You

Supplementary - The Bergar

Grammar - Prepositions

February - **Annual Examination**

Subject : Hindi

पाठ्यपुस्तकें - १. स्पर्श भाग - १
२. संचयन भाग - १

April

पाठ गिल्लू
रैदास के पद
व्याकरण वर्ण और वर्तनी
शब्द निर्माण (उपसर्ग-प्रत्यय)
अनौपचारिक पत्र (संवेदना, बधाई, निमंत्रण, धन्यवाद)

June

पाठ धूल (केवल पढ़ने के लिए)
रहीम-दोहे
दुःख का अधिकार
एवरेस्ट मेरी शिखर यात्रा
व्याकरण वर्ण और वर्तनी
अनुस्वार, अनुनासिक
नुक्ता
मुहावरे
अपठित गद्यांश/पद्यांश
विज्ञापन

July

पाठ **Periodic Test - I**
तुम कब जाओगे, अतिथि
आदमी नामा (कविता)
व्याकरण स्मृति
पर्यायवाची
विलोम
अनेकार्थी
विरामचिन्ह
संधि

August

पाठ	कल्लू कुम्हार की उनाकोटी (केवल पढ़ने के लिए) मेरा छोटा-सा निजी पुस्तकालय (केवल पढ़ने के लिए) एक फूल की चाह
व्याकरण	अपठित गद्यांश/पद्यांश अनुच्छेद लेखन संवाद-लेखन विज्ञापन दृश्य-वर्णन पत्र-लेखन (अनौपचारिक पत्र)

Periodic Test - II

September

पाठ	वैज्ञानिक चेतना के वाहक (केवल पढ़ने के लिए) गीत-अगीत (केवल पढ़ने के लिए) कीचड़ का काव्य
व्याकरण	मुहावरे वाक्य के अंग संधि विरामचिन्ह उपसर्ग - प्रत्यय

October

पाठ	हामिद खाँ अग्निपथ धर्म की आड़
व्याकरण	अनुच्छेद पत्र-लेखन (अनौपचारिक)

November

पाठ	दिल जल उठे शुक्रतारे के समान
व्याकरण	विराम चिह्न अनुच्छेद अपठित गद्यांश/पद्यांश संवाद लेखन

December

Periodic Test - III

January

पाठ

नए इलाके में ...

खुशबू रचते हैं हाथ ...

व्याकरण व

दृश्य-वर्णन, अनुच्छेद, संवाद,

लेखनकार्य

विज्ञापन, पत्र

February

Annual Examination

पुनरावृत्ती

Subject : Sanskrit

April

शेमुषी

प्रथमः पाठः - भारती वसन्तगीतिः

व्याकरणविधिः

१. संस्कृतवर्णमाला

संधि-कार्यम् - स्वर संधि-दीर्घ, गुण, वृद्धि

June

शेमुषी

रूपलेखनम् पठ्, अस्मद्, युष्मद्

द्वितीय पाठः - स्वर्णः काकः

तृतीयः पाठः - सोमप्रभम्

व्याकरणविधिः

१. स्वर संधि

दीर्घ

गुण

वृद्धि

३. शब्दरूपाः

पुल्लिङ्ग

अकारान्त - बालक

इकारान्त - मुनि

स्त्रीलिङ्ग

लता, नदी

४. संस्कृते अनुवाद लेखनम्

५. पत्र लेखनम् (औपचारिक अनौपचारिक वा)

६. चित्राधारितं वर्णनम् अनुच्छेद लेखनम् वा

७. धातुरूप - अस् (पञ्च लकारेषु)

July

शेमुषी

Periodic Test - I

चतुर्थः पाठः - कल्पतरुः

पञ्चमः पाठः - सूक्तिमौक्तिकम्

व्याकरणविधिः

१. उपपद विभक्ति - द्वितीया - समया, प्रति, धिक्, विना, अभितः, परितः, उभयतः
२. अपठित गद्यांश - प्रश्नोत्तर लेखनम्
३. चित्रवर्णनम् - संस्कृत वाक्य लेखनम्
४. पत्र लेखनम् - मञ्जुषातः सहायतया पत्र लेखनम्
५. स्वर संधि - यण, मयादि

August

शेमुषी

षष्ठः पाठः - भ्रान्तो बालः

व्याकरणविधिः

१. नपुंसकलिंग शब्दरूप - अकारान्त - फल ईकारान्त - वारि
२. तृतीया उपपदविभक्ति- विना, अलम्, सह, साकम्, समम्, सार्धम्
३. प्रत्यय - तुमुन्, अंग विकारः
४. पत्रलेखनम्
५. अपठित - गद्यांशम्
६. चित्रवर्णनम्
७. धातुरूप - कृ (पञ्चलकारेषु)

September

शेमुषी

सप्तमः पाठः - प्रत्यभिज्ञानम्

व्याकरणविधिः

१. धातुरुपाणि - सेव् धातु (पञ्च लकारे)
२. चतुर्थी उपपद विभक्ति - कुप्, स्वस्ति, नमः, रुच, दा (यच्छ)
३. संस्कृत-हिन्दी अनुवाद
४. पत्र लेखनम्
५. उपसर्गाः - आ, वि, प्रति, उप, अनु, निर्

Revision for Term Portion

Periodic Test - II

October

शेमुषी

अष्टमः पाठः - लौहतुला

नवमः पाठः - सिकता सेतुः

व्याकरणविधिः

१. पञ्चमी उपपद - विभक्ति, विना, बहिः, भी, रक्ष

२. धातुरूप - लभ् - (लट्, लृट्, लकारे)

November

शेमुषी

दशमः पाठः - जटायोः शौर्यम्

व्याकरणविधिः

१. सर्वनाम शब्दाः - तत्, किम् (त्रिषु लिंगेषु)

२. संख्यावाचक शब्दाः- एकतः चतुर्पर्यन्तम् (त्रिषु लिंगेषु)

३. प्रत्यययाः - क्त्वा, ल्यप्

४. संस्कृत भाषायाम् अनुवादम्

५. पत्र लेखनम्

६. चित्रवर्णनम्

७. अपठित गद्यांशम्

८. शब्दरूप - साधु

December

Periodic Test - III

शेमुषी

एकादशः पाठः - पर्यावरणम्

व्याकरणविधिः

१. उपपद विभक्ति

षष्ठी - अन्तः, उपरि, पुरतः, अधः, पृष्ठतः

सप्तमी - स्निह, निपुण, विश्वन्

२. उपसर्गाः - अव, प्र, अप, अधि, नि

३. प्रत्यय - शतृ, शानच्

४. संख्यालेखन - पञ्चतः - शत पर्यन्तम् (5 to 100)

January

शेमुषी

द्वादशः पाठः - वाङ्मनः प्राणस्वरूपम्

व्याकरणविधिः

१. संस्कृत भाषायां अनुवादम्

२. पत्र-लेखनम्

३. चित्रवर्णनम्

४. अपठित गद्यांशम्

५. प्रत्ययाः - क्तवत्, प्रत्यय

February

Final Exam

Subject : Marathi

April

- कविता १. सर्वात्मका शिवसुंदरा
२. संतवाणी - अ) भेटी लागी जीवा
- व्याकरण १. शब्दांच्या जाती
२. वचन, लिंग

June

- पाठ १. 'बेटा, मी ऐकतो आहे!'
- स्थूलवाचन व्हेनिस
- संवाद लेखन (Dialogue Writing)

July

Periodic Test - I

- पाठ १. ऑलिंपिक वर्तुळांचा गोफ
२. जी. आय. पी. रेल्वे
- कविता १. अ) संतवाणी आ) संतकृपा झाली
२. व्यायामाचे महत्त्व
- व्याकरण काळ
- निबंधलेखन

August

- पाठ १. दिव्याच्या शोधामागचे दिव्य
२. सखू आजी
- कविता १. व्यायामाचे महत्त्व
- व्याकरण १. वाक्याचे प्रकार
- कथा लेखन, बातमीलेखन

September

- निबंधलेखन
- कथालेखन

Periodic Test - II

October

पाठ	आभाळातल्या पाऊलवाटा
कविता	उजाड उघडे माळरान
व्याकरण	समास शब्दांच्या जाती

निबंधलेखन

November

कविता	तिफन
स्थूलवाचन पाठ	विश्वकोश
व्याकरण	समास वाक्य शुद्ध करा

December

Periodic Test - III

पाठ	१. माझे शिक्षक आणि माझे संस्कार
निबंधलेखन	

January

पाठ	Revision
व्याकरण संपूर्ण अभ्यासक्रम (Revision)	
निबंधलेखन	

February

Annual Examination

Subject : Computer

<u>April</u>	Convergence of Technologies
<u>June</u>	Computer Software Word Processor
<u>July</u>	Word Processor
<u>August</u>	MS Windows
<u>September</u>	Word Processor
	I Term Examination
<u>October</u>	Spread Sheet Tool
<u>November</u>	Spread Sheet Tool
<u>December</u>	Spread Sheet Tool
<u>January</u>	Presentation Tool
<u>February</u>	Presentation Tool
<u>March</u>	Annual Examination

Subject Enrichment Activity

Science

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

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

हिंदी

प्रकल्प कार्य (विषयवस्तु, प्रस्तुतीकरण)	-	5 Marks
गृहकार्य / कक्षाकार्य (दैनिक लेखन, सुलेख)	-	5 Marks

संस्कृत

गृहकार्य / कक्षाकार्य (दैनिक लेखन कार्य, सुलेख)	-	5 Marks
प्रकल्प (प्रस्तुतीकरण, विषयज्ञान)	-	5 Marks

मराठी

प्रकल्पकार्य (Project) (विषयानुसार सादरीकरण, विषयाचे ज्ञान, शुद्धलेखन)	-	5 Marks
गृहकार्य / वर्गकार्य	-	5 Marks