

D.A.V. PUBLIC SCHOOL, NERUL

Plot No. 34, Sector-48, Nerul,

Navi Mumbai-400 706

Phone : 27714017, 27713543 Fax : 27714016

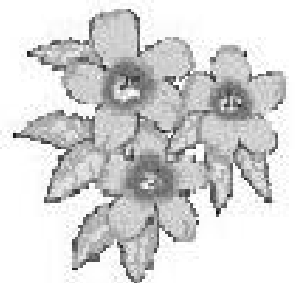
Website : www.davnerul.com

Email : davnerul@gmail.com



SYLLABUS- 2019-2020

CLASS - X



INDEX

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

❖ ***1 Term Exam shall include Periodic Test - I Portion***

❖ ***Annual Examination shall include the entire syllabus***

Subject – Science
Physics

<u>April</u>	:	Electricity (half)
<u>June</u>	:	Electricity (remaining half) Light Reflection and Refraction (half)
<u>July</u>	:	Light Reflection and Refraction (half) Periodic Test - I
<u>August</u>	:	Magnetic effects of electric current
<u>September</u>	:	Sources of energy Periodic Test - II
<u>October</u>	:	Human Eye, Defects of Vision, Dispersion
<u>November</u>	:	Atmospheric Refraction and Scattering of light
<u>December</u>	:	Revision Periodic Test - III
<u>January</u>	:	Preliminary Examination - I
<u>February</u>	:	Revision
<u>March</u>	:	Annual Exam

Practical (Physics)

1. To study the dependence of current (I) on the potential difference (V) across a resistor and determine its resistance. Also plot a graph between V and I.
2. To determine the equivalent resistance of two resistors when connected in series and parallel.
3. To trace the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result.
4. To determine the focal length of
 - a. Concave mirror
 - b. Convex lensby obtaining the image of a distant object.
5. To trace the path of a ray of light through a glass prism and measure the angle of deviation.
6. Image formation in the case of a convex lens.

SYLLABUS FOR PRACTICAL BASED

The practical skill based questions will be based on the list of experiments included in class X.

Chemistry

<u>April</u>	:	Chemical Reactions and Equations
<u>June</u>	:	Acids, Bases and Salts
<u>July</u>	:	Periodic Test - I Metals and Non-metal (1 st half)
<u>August</u>	:	Metals and Non-metal (2 nd half)
<u>September</u>	:	Periodic Test - II
<u>October</u>	:	Carbon and its compounds
<u>November</u>	:	Periodic Classification of Elements
<u>December</u>	:	Revision Periodic Test - III
<u>January</u>	:	Preliminary Examination - I
<u>February</u>	:	Revision
<u>March</u>	:	Annual Exam

Practicals (Chemistry)

1. Types of chemical reactions
2. Properties of Acids and Bases
3. pH of the solutions
4. Reactivities of metals
5. Properties of Acetic acid
6. Hard and soft water

Biology

<u>April</u>	Life Processes (half)
<u>June</u>	Life Processes (half)
<u>July</u>	Periodic Test - I Control and co-ordination
<u>August</u>	How do organism reproduce
<u>September</u>	Heredity and evolution (half) Periodic Test - II
<u>October</u>	Heredity and evolution (half) Management of Natural Resources (half)
<u>November</u>	Management of Natural Resources (half) Our Environment
<u>December</u>	Revision Periodic Test - III
<u>January</u>	Preliminary Examination - I
<u>February</u>	Revision
<u>March</u>	Annual Exam

Practicals (Biology)

I TERM

1. To prepare a temporary mount of a leaf peel to show stomata.
2. To show experimentally that Carbon dioxide is given out during respiration.
3. To study
 - a) Binary fission in Amoeba and
 - b) Budding in yeast with the help of prepared slides.
4. To identify the different parts of an embryo of a dicot seed (pea, gram or red kidney bean)

Subject : Mathematics

<u>March</u>	Polynomials
<u>April</u>	Pair of linear equations in two variables
<u>June</u>	Real Numbers Triangles
<u>July</u>	Introduction to Trigonometry Periodic Test - I Applications of Trigonometry Probability
<u>August</u>	Quadratic Equations Coordinate Geometry
<u>September</u>	Circles Area Related to circles Periodic Test - II
<u>October</u>	Surface areas and volumes Arithmetic Progressions
<u>November</u>	Statistics Construction
<u>December</u>	Revision Periodic Test - III
<u>January</u>	Preliminary Examination - I
<u>February</u>	Revision
<u>March</u>	Annual Exam

Subject : Social Studies

<u>April</u>	
History	The Rise of Nationalism in Europe
Economics	The Story of Development
Geography	Resources Forest and wildlife (only for Unit Test not for Board)
Political Science	Power Sharing Federalism

June

History	Nationalism in India
Economics	Sectors of Indian Economy
Geography	Water Resources (only for Unit Test not for Board) Agriculture
Political Science	Federalism Democracy and Diversity

July

Periodic Test - I

History	The Age of Industrialization
Economics	Sectors of Indian Economy
Geography	Agriculture (contd.)
Political Science	Democracy and Diversity (only for Unit Test not for Board)

August

History	The Age of Industrialization
Economics	Money and Credit
Geography	Minerals and Energy Resources
Political Science	Gender Religion And Caste Popular struggles and movements Print Culture and the Modern World (Contd.)

September

Geography	Manufacturing Industry
Economics	Globalisation

Periodic Test - II

October

History	Print Culture and the Modern World
Economics	Globalisation
Geography	Manufacturing Industries (contd.)
Political Science	Political Parties

November

History	Outcomes of Democracy
Geography	Lifelines of National Economy
Economics	Consumer Awareness (for project only)
Political Science	Challenges of democracy

December

Revision
Periodic Test - III

January

Preliminary Examination - I

February

Revision

March

Annual Exam

Subject : English

April

Reader	1. A Letter to God <i>Dust of Snow</i> <i>Fire and Ice</i> <i>A Tiger in the Zoo</i>
Sup	2. Nelson Mandela A Triumph of Surgery
Grammar	Tenses

June

Reader	3. Two Stories about Flying <i>How to Tell Wild Animals</i> <i>The Ball Poem</i>
Sup	4. From the Diary of Anne Frank Amanda
Grammar	2. The Thief's Story Determiners

July

Periodic Test - I

Reader	5. The Hundred Dresses - I 6. The Hundred Dresses - II
Sup	3. The Midnight Visitor

August

Reader	7. Glimpses of India <i>The Trees</i>
Sup	4. A Question of Trust 5. Footprints without Feet
Grammar	Reported Speech Clauses

September

Sup	6. The Making of a Scientist
Grammar	Subject Verb Agreement

Periodic Test - II

October

Reader	8. Mijbil the Otter <i>Fog</i> 9. Madam Rides the Bus <i>The Tale of Custard the Dragon</i>
Sup	7. Necklace 8. The Hack Driver
Grammar	Passive Voice Modals

November

Reader	10. The Sermon at Benares For Anne Gregory 11. The Proposal
Sup	9. Bholi 10. The Book That Samed the Earth
Grammar	Prepositions

December

Revision

Periodic Test - III

M.C.B.	National Integration
--------	----------------------

January

Preliminary Examination - I

February

Revision

March

Annual Exam

Subject : Hindi

पाठ्यपुस्तकें

- १) स्पर्श भाग – २
- २) संचयन भाग – २

April

पाठ	बड़े भाई साहब कबीर - साखी हरिहर काका
व्याकरण	शब्द और पद, पदबंध वाक्य शुद्धिकरण पत्रलेखन (औपचारिक) विज्ञापन

June

पाठ	डायरी का एक पन्ना मीरा के पद
व्याकरण	समास मुहावरे व लोकोक्तियाँ वाक्य अशुद्धि शोधन वाक्य -रूपांतरण अपठित गद्यांश अनुच्छेद-लेखन

July

Periodic Test - I

पाठ	तताँरा वामीरों कथा मनुष्यता बिहारी के दोहे
व्याकरण	अपठित पद्यांश सूचना लेखन

August

पाठ	पर्वत प्रदेश में पावस तोप सपनों के से दिन
-----	---

व्याकरण समास, पुनरावलोकन
मुहावरे, पुनरावलोकन
अपठित गद्यांश / पद्यांश/अनुच्छेद लेखन
पत्र लेखन (औपचारिक) /अनुच्छेद लेखन
संवादलेखन

September

पाठ अब कहॉ, दूसरों के दुख से दुखी होने वाले
कर चलें हम फ़िदा
पुनरावलोकन

Periodic Test - II

October

पाठ पतझर में टूटी पत्तियाँ
आत्मत्राण

व्याकरण वाक्य अशुद्धिशोधन
समास
वाक्य-रुपांतरण
पुनरावलोकन

November

पाठ टोपी शुक्ला
कारतूस

व्याकरण समास
मुहावरे व लोकोक्तियाँ
पत्र-लेखन (औपचारिक)
पुनरावलोकन

December **Periodic Test - III**

January **Preliminary Exam - I**

February **Revision**

March **Annual Exam**

Subject : Sanskrit

March

व्याकरणम्

१. शब्द रूप - बालक, लता, फल,
मुनि, मति, साधु
२. सर्वनाम रूप - अस्मद्, युष्मद्
किम् - तीनों लिंग
तत् तीनों लिंग
३. धातुरूप - पठ् - पाँचो लकार
सेव् - तीनो लकार (लट्, लङ्ग, लृट्)
४. उपपद विभक्ति - द्वितीया, तृतीया, चतुर्थी
- पञ्चमी, षष्ठी, सप्तमी
५. उच्चारणस्थान
वर्णविच्छेद
संयोजन

April

पाठाः

शेमुषी - २

१. शुचिपर्यावरणम्
२. बुद्धिर्बलवती कन्या

व्याकरणम्

१. अपठित गद्यांशम्
२. पत्र - लेखनम्
३. संस्कृते अनुवाद-कार्यम्
४. संधि - स्वर संधि
५. चित्र वर्णनम्
६. अव्ययाः - कालबोधक, स्थानबोधक

June

पाठाः

शेमुषी - २

१. व्यायामः सर्वदा पथ्यः
२. शिशु लालनम्

व्याकरण

१. अपठित गद्यांशम्
२. पत्र-लेखनम्
३. संस्कृते अनुवाद - कार्यम्

४. चित्रवर्णनम्
५. समासाः - परिचयः तत्पुरुष समासाः
६. अशुद्धि - संशोधनम्

July

शेमुषी - २

पुर्नभ्यास (for Periodic Test - I)

पाठाः

व्याकरणम्

५. जननी तुल्य वत्सला
१. अपठित गद्यांशम्
२. पत्र-लेखनम्
३. अनुवाद कार्यम्
४. चित्र वर्णनम्
५. संधि - व्यञ्जन संधि
६. समय लेखनम्

August

शेमुषी - २

पाठाः

व्याकरणम्

६. सुभाषितानि
१. अपठित गद्यांशम्
२. पत्र-लेखनम्
३. अनुवाद - कार्यम्
४. चित्र - वर्णनम्
५. समास - द्वंद्व समास
अव्ययभाव समास
बहुव्रीहि समास
६. प्रत्ययाः - त्व तल्

September

शेमुषी - २

पाठाः

व्याकरणम्

७. सौहार्द - प्रकृति शोभा
१. अपठित गद्यांशम्
२. पत्र-लेखनम्
३. अनुवाद लेखनम्
४. चित्र-वर्णनम्
५. संधि - विसर्ग संधि
६. प्रत्ययाः - टाप् डीप् प्रत्ययम्

Revision for Term Exam

October

शेमुषी - २

पाठाः

८. विचित्रः साक्षी

९. सूक्तयः

व्याकरणम्

१. अपठित गद्यांशम्

२. पत्र-लेखनम्

३. अनुवाद-कार्यम्

४. चित्र-वर्णनम्

५. अव्ययाः - प्रश्नबोधक, प्रकीर्णानि

६. वाच्य परिवर्तनम्

७. प्रत्ययाः तव्यत -अनीयर, प्रत्यय

November

शेमुषी - २

पाठाः

१०. भूकम्पविभीषिका

११. प्राणेभ्योऽपि प्रियः सुहृद्

व्याकरणम्

१. अपठित गद्यांशम्

२. पत्र-लेखनम्

३. अनुवाद कार्यम्

४. चित्र-वर्णनम्

५. प्रत्ययाः - शतृ, शानम्, मतुप्, ठक् इनि

६. वाक्य संशोधनम्

December

शेमुषी - २

पाठाः

१२. अन्योक्तयः

व्याकरणम्

१. अपठित गद्यांशम् - 4

२. पत्र-लेखनम् - 4

३. अनुवाद कार्यम्

४. चित्र-वर्णनम्

५. वाक्य संशोधनम्

६. समय लेखनम्

January**Revision for Preliminary Examination - I****February****Revision****March****Annual Exam**

Subject : Marathi

April

पाठ	शाल
कविता	तू बुद्धी दे
व्याकरण	शब्दांच्या जाती, वचन, लिंग

June

कविता	अंकिला मी दास तुझा
स्थूलवाचन पाठ	मोठे होत असलेल्या मुलांनो
निबंधलेखन (Essay Writing)	

July

Periodic Test - I

पाठ	उपास
	चुडीवाला
कविता	संतवाणी - योगी सर्वकाळ सुखदाता

August

पाठ	फ्रुटप्रिन्टस
	उर्जाशक्तीचा जागर
कविता	दोन दिवस
व्याकरण	काळ, वाक्याचे प्रकार
निबंधलेखन (Essay Writing)	

September

कथालेखन
बातमीलेखन

Periodic Test - II

October

पाठ	रंग साहित्याचे
	खरा नागरिक
कविता	औक्षण
पत्रलेखन	
निबंधलेखन	

November

पाठ	स्वप्न करू साकार
स्थूलवाचन पाठ	व्युत्पत्ती कोष
व्याकरण	प्रयोग
बातमीलेखन	

December Periodic Test - III

पत्रलेखन (Letter Writing)
निबंधलेखन (Essay Writing)
कथालेखन (Story Writing)

January Preliminary Exam - I

February Revision

March Annual Exam

Subject : Computer

April Services on Internet

June Data Base Management

July Open office.org BASE

August Open office.org BASE

September I Term Examination

October Working in Browser

November HTML Basis

December HTML Basis

January HTML Advanced

February HTML Project

March Annual Exam

Subject Enrichment Activities

Science

Science Practicals	-	5 Marks
C.W. / H.W.	-	5 Marks
Multiple Assessment	-	5 Marks

Maths

Maths Lab Activities	-	5 Marks
C.W. / H.W.	-	5 Marks

Social Studies

I. Project	-	5 Marks
Evaluation will be done on the basis of	-	
a) Content & originality		
b) Presentation		
c) Pictures		
d) Submission		
II. C.W. / H. W / Map Work	-	5 Marks

English

ASL	-	5 Marks
Note Book	-	5 Marks

हिंदी

१. पठन क्रिया (उच्चारण)		
२. गृहकार्य / कक्षाकार्य (दैनिक लेखनकार्य, सुलेख)	-	5 Marks
३. नाट्यरुपांतरण (विषयवस्तु, प्रस्तुतीकरण)	-	5 Marks

अथवा

४. कथासंग्रह (नैतिक मूल्य युक्त)		
----------------------------------	--	--

संस्कृत

कक्षाकार्यम् / गृहकार्यम् - 5 Marks

Regular submission & completion of the work

स्वपरिचयम् (वाक् कला कौशल्य परिक्षण) - 5 Marks

Presentation & Knowledge of Language

मराठी

प्रकल्पकार्य (Project) - 5 Marks

(विषयानुसार सादरीकरण, विषयाचे ज्ञान, शुद्धलेखन)

गृहकार्य / वर्गकार्य - 5 Marks

--- X - X - X ----