

QF-075

# MODEL ACADEMY

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(Code-730068)



## SYLLABUS

*Session 2019 - 20*

**Class – 10th**

**Model Institute of Education & Research**

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# English (184)

## Books Prescribed:

- i) First Flight (Text Book in English for class X)
- ii) Foot Prints Without Feet (Supplementary Reader for class X)

Periodic Test – I (Syllabus covered from March to May)		
Month	No. of Working Days	Name of Topic/Chapter
<u>March</u>	15	Writing Skills – Notice, Email Writing Prose: A Triumph of Surgery A letter to God Poem: 1. Dust of Snow 2. Fire and Ice
<u>April</u>	20	Prose: The Thief’s Story The Midnight Visitor Nelson Mandela, Two Stories About Flying Poem: 3. A Tiger in the Zoo Writing Skills: Letter Writing (Formal/ Informal) Grammar: Tenses, Prepositions
<u>May</u> <u>June</u>	24	Prose: A Question of Trust Footprints Without Feet From the Diary of Anne Frank Poem: 4. How to Tell Wild Animals 5. The Ball Poem Writing Skills: Diary, Speech Writing Grammar : Modal, Sub-verb Arrangement
<u>July</u>	14	Prose: The Making of a Scientist The Hundred Dresses-1, The Hundred Dresses- II Poem: 6. Amanda
<u>August</u>	22	Prose: The Necklace Glimpses of India Poem: 7. Animals 8. The Trees Writing Skills: Story Writing Grammar : Determiners, Clauses
Half Yearly/Periodic Test – II (Syllabus covered from March to August)		
<u>September</u>	13	Prose: The Hack Driver Mijbil the Offer
<u>October</u>	20	Prose: Bholi Madam Rides the Bus The Sermon at Benares Poem: 9. Fog 10. The Tale of Custard the Dragon Writing Skills: Article Writing, Report Writing Grammar : Reported Verb
<u>November</u>	23	Prose: The Book that Saved the Earth (Drama) 11. The Proposal (Drama) & Revision
Pre-Board – I (Full Syllabus)		

<b>January</b>	<b>Pre-Board – II (Full Syllabus)</b>
<b>Reading Skills = 20 marks, Writing Skills with Grammar = 30 Marks, Literature Textbook &amp; Supplementary Reading Text = 30 Marks</b>	

**हिन्दी**  
**पठ्यक्रम – ब (085)**

- Books Prescribed:** 1. पाठ्य पुस्तक स्पर्श भाग - २  
2. पूरक पाठ्य पुस्तक संचयन भाग - २

<b>Periodic Test – I (Syllabus covered from April to July)</b>		
	<b>दिन</b>	<b>पाठ</b>
मार्च	२१	स्पर्श गद्य भाग - बड़े भाई साहब पद्य भाग - कबीर की साखी व्याकरण - शब्द/पद, अनुच्छेद लेखन - अपठित गद्यांश
अप्रैल	२२	स्पर्श पद्य भाग - मीरा का पद संचयन - डायरी का एक पन्ना - हरिहर काका व्याकरण - मुहावरे, शुद्ध-अशुद्ध, पत्र लेखन।
मई/जून	२६	स्पर्श पद्य भाग - पर्वत प्रदेश में पावस गद्य भाग - तताँरा-तोप वामीरो कथा तीसरी कसम के शिल्पकार व्याकरण - समास, सूचना, विज्ञापन वाक्य रूपांतरण।
जुलाई	१८	स्पर्श पद्य भाग - बिहारी , मनुष्यता गद्य भाग - गिरगिट व्याकरण - संवाद लेखन, पत्र-लेखन
अगस्त	२२	स्पर्श पद्य भाग - कर चले हम फिदा मधुर-मधुर में दीपक जल संचयन - सपनों के से दिन। व्याकरण - अपठित पद्यांश
<b>Half Yearly/Periodic Test – II (Syllabus covered from April to August)</b>		
सितंबर	१०	स्पर्श पद्य भाग - अब कहाँ दूसरों के दुख में दुखी होने वाले। व्याकरण - पुनरावृत्ति

अक्तूबर	२२	स्पर्श गद्य भाग - कारतूस, पतझड़ में टूटी पत्तियाँ। पद्य भाग - आत्मत्राण
नवम्बर	९	संचयन - टोपी शुक्ला
<b>Pre-Board – I (Full Syllabus)</b>		
जनवरी	<b>Pre-Board – II (Full Syllabus)</b>	
नोट:- निम्नलिखित पाठों से प्रश्न नहीं पूछे जाएंगे:-		
<ul style="list-style-type: none"> <li>● मधुर-मधुर मेरे ददीपक जल</li> <li>● तीसरी कसम के शिल्पकार शैलेंद्र</li> <li>● गिरगिट</li> </ul>		
अपठित बोध = १५ अंक, व्यावहारिक व्याकरण = १५ अंक, पाठ्य पुस्तक = २५ अंक, रचनात्मक लेखन = २५ अंक		

## Mathematics (041)

**Book Prescribed: Textbook for Maths class X NCERT**

**Maths Exemplar Problems for class X - NCERT**

### Periodic Test – I (Syllabus covered from March to May)

Month	No. of Working Days	Name of Topic/Chapter
<u>March</u>	15 Day	Real Number, Polynomials, Probability
<u>April</u>	20 Days	Linear Equation in two variables, Quadratic Equation
<u>May</u> <u>June</u>	24 Days	Trigonometric Ratio's, Construction, Application to trigonometry
<u>July</u>	14 Days	Circle, Area related to circle, Application to trigonometry (Cont.)
<u>August</u>	22 Days	Co-ordinate Geometry, Statistics

### Half Yearly/Periodic Test – II (Syllabus covered from March to August)

<u>September</u>	13 Days	Triangle, Arithmetic Progression
<u>October</u>	20 Days	Surface Area and Volume
<u>November</u>	23 Days	Surface Area and Volume (Continue) & Revision

### Pre-Board – I (Full Syllabus)

<u>January</u>	<b>Pre-Board – II (Full Syllabus)</b>	
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**Number System = 6 marks, Algebra = 20 marks, Co-ordinate Geometry = 6 marks, Geometry = 15 marks, Trigonometry = 12 marks, Mensuration = 10 marks, Statistics & Probability = 11**

# Science (086)

**Book Prescribed: Science Textbook for class X – NCERT  
Laboratory Manual Science X - NCERT  
Exemplar Problems Class X - NCERT**

<b>Periodic Test – I (Syllabus covered from April to July)</b>		
Month	No. of Working Days	Name of Topic/Chapter
<u>March</u>	15	Physics – Light reflection and refraction Chemistry – Chemical Equation and Reaction Biology – Our Environment
<u>April</u>	20	Physics – Human Eye and colourful world. Chemistry – Acid, Bases and Salt Biology – Control and Coordination
<u>May</u> <u>June</u>	24	Physics – Electricity Chemistry – Metals and Non-Metal Biology – Management of Natural resources
<u>July</u>	14	Physics – Electricity Biology – Reproduction
<u>August</u>	22	Physics – Source of Energy Chemistry – Periodic Classification of elements. Biology – Life Processes/Management of Natural Resources
<b>Half Yearly/Periodic Test – II (Syllabus covered from April to August)</b>		
<u>September</u>	13	Physics – Effects of current Biology - Life Processes
<u>October</u>	20	Physics – Magnetic effects of current Chemistry – Carbon and its compounds Biology – Heridity and Evolution
<u>NOVEMBER</u>	23	Biology – Heridity and Evolution (contd.)
<b>Pre-Board – I (Full Syllabus)</b>		
<u>January</u>	Pre-Board – II (Full Syllabus)	
Unit – I Chemical Substances- Nature and Behaviour = 25 marks, Unit – II World of Living = 23 marks, Unit – III Natural Phenomena - 12 marks, Unit – IV Effects of current = 13 marks, Unit – V = Natural Resources = 7 marks.		

# Social Science (087)

- Books Prescribed:**
1. India and the Contemporary World - II (History) NCERT (20 Marks)
  2. Contemporary India – II (Geography) NCERT (20 Marks)
  3. Democratic Politics – II (Pol. Science) – NCERT (20 Marks)
  4. Understanding of Economic Development – NCERT (20 Marks)
  5. Together Towards a Safer India

Periodic Test – I (Syllabus covered from March to May)		
Month	No. of Working Days	Name of Topic/Chapter
<u>March</u>	15	<b>Pol. Science:</b> - Lesson 1 – Power sharing <b>Geography:</b> Lesson 1 – Resources & Development <b>History:</b> - Lesson 1 – The rise of Nationalism in Europe <b>Economic:</b> Lesson 1- Development
<u>April</u>	20	<b>Pol. Science:-</b> Lesson 2 – Federalism <b>Geography:-</b> Lesson 3 – Water Resources(To be assessed in PT-1only) Lesson 2 - Forest and Wildlife (To be assessed in PT-1 only) <b>History:</b> - Lesson 4 – The Age of Industrialization <b>Economic:-</b> Lesson 2 – Sector of Indian Economy
<u>May/June</u>	24	<b>Pol.Science:-</b> Lesson 3 – Democracy & Diversity(To be assessed in PT-2) Lesson 4 – Gender, Religion & Caste <b>Geography:</b> - Lesson 4 - Agriculture <b>Economics:</b> - Lesson 3- Money and Credit
<u>July</u>	14	<b>Pol.Science :-</b> Lesson 5- Popular Struggles and Movements(To be assessed in PT-2 only) <b>History:-</b> Lesson 5 – Print Culture and the Modern World. <b>Geography:-</b> Lesson 5 – Minerals and Energy Resources  <b>Economics –</b> Lesson 4- Globalisation and the Indian Economy
<u>August</u>	22	<b>Geography:-</b> Lesson – 5 Mineral and Energy Resources <b>Pol. Science :-</b> Lesson 6 – Political Parties Lesson 7 – Outcomes of Democracy. <b>Economics –</b> Lesson 4 - Globalisation and the Indian Economy.
Half Yearly/Periodic Test – II (Syllabus covered from March to August)		
<u>September</u>	13	REVISION
<u>October</u>	20	<b>History:-</b> Lesson 2 – Nationalism in India. <b>Geography:-</b> Lesson 6 – Manufacturing Industries. <b>Pol.Science :-</b> Chapter 8 – Challenges to Democracy(To be assessed inPT-2 only) <b>Economics:-</b> Lesson- 5 Consumer Rights.(To be done as Project Work)
<u>November</u>	23	<b>Geography:-</b> Lesson 7 – Life lines of National Economy

**NOTE: PROJECT WORK** – Every student has to compulsorily undertake any on Project : Consumer Awareness OR Social Issues OR Sustainable Development.

**Pre-Board – I (Full Syllabus)**

**January**

**Pre-Board – II (Full Syllabus)**

# Computer

Book Prescribed: Foundation of Information technology - KIPS publications.

## Periodic Test – I (Syllabus covered from April to July)

Month	Lesson	Topic	Activity
<b>APRIL</b> Working Days : 22	Lesson -1	• Internet.	• Download the setup of Google talk s/w and write down the steps. that you perform.
	Lesson - 2	• Internet Services.	
<b>MAY/JUNE</b> Working Days : 26	Lesson - 3	• Introduction to Data Bases.	• Create a table using Blank database named as Blank Account.
	Lesson - 4	• Working with tables.	
<b>JULY</b> Working Days : 18	Lesson- 5	• Query in MS-Access.	• Create a Web page and write any six thoughts for the day and display them in six heading levels.
	Lesson - 6	• HTML.	
<b>AUGUST</b> Working Days : 22	Lesson- 6	• HTML (Cont.)	• Ask students to create a web page using ordered list on the topic 'Cyber Safety'.

## PERIODIC TEST – II (HALF YEARLY EXAM)

<b>SEPTEMBER</b> Working Days : 10	Lesson-7	• Using Lists and Images.	• Create a web page defining about your interest using ordered and unordered.
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## Half Yearly/Periodic Test – II (Syllabus covered from April to August)

<b>OCTOBER</b> Working Days : 22	Lesson-8	• Links, Anchors tags.	• Create a web page for your school.
<b>NOVEMBER</b> Working Days : 9	Lesson-9	• XML.	• Write XML structure for. <div style="text-align: center; margin-top: 10px;"> <pre> graph TD     Mail --&gt; To     Mail --&gt; From     Mail --&gt; Data     Mail --&gt; Message           </pre> </div>
<b>DECEMBER</b> Working Days : 21	Lesson-10	• Societal Impact of IT.	• Conduct a Quiz based on the chapter by dividing the class into two Groups.