

JUBILEE HILLS PUBLIC SCHOOL, HYD (2013 -2014)

Syllabus for Class-X

Mathematics

| TERM    | CHAPTERS  |
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| TERM-I  | 1) Polynomials,<br>2) Pair Of Linear Equations,<br>3) Real Numbers<br>4) Triangles,<br>5) Introduction To Trigonometry<br>6) Statistics   |
| TERM-II | 7) Quadratic Equations<br>8) Arithmetic Progressions<br>9) Coordinate Geometry<br>10) Heights And Distances<br>11) Circles<br>12) Construction<br>13) Probability<br>14) Areas Related To Circle<br>15) Surface Areas And Volumes |

SOCIAL SCIENCE

| TERM    | CHAPTERS  |
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| TERM-I  | <p><b>HISTORY</b></p> <ol style="list-style-type: none"> <li>1. The Age of Industrialization</li> <li>2. Novels, Society and History</li> </ol> <p><b>GEOGRAPHY- Resources and Development</b></p> <ol style="list-style-type: none"> <li>1. Forest and Wildlife Resources</li> <li>2. Water Resources</li> <li>3. Agriculture</li> </ol> <p><b>CIVICS</b></p> <ol style="list-style-type: none"> <li>1. Power Sharing</li> <li>2. Federalism</li> <li>3. Democracy and diversity</li> <li>4. Gender, Caste and Religion</li> </ol> <p><b>ECONOMICS</b></p> <ol style="list-style-type: none"> <li>1. Development</li> </ol> <p>Sectors of Indian Economy</p>                                     |
| TERM-II | <p><b>HISTORY</b></p> <ol style="list-style-type: none"> <li>3. The nationalist movement in Indo-China</li> <li>4. Nationalism in India</li> </ol> <p><b>GEOGRAPHY-</b></p> <ol style="list-style-type: none"> <li>4. Minerals and energy resources</li> <li>5. Manufacturing Industries</li> <li>6. Lifelines of Economy</li> </ol> <p><b>CIVICS</b></p> <ol style="list-style-type: none"> <li>5. Popular struggles and movements</li> <li>6. Political parties</li> <li>7. Outcomes of democracy</li> <li>8. Challenges to democracy</li> </ol> <p><b>ECONOMICS</b></p> <ol style="list-style-type: none"> <li>2. Money and Credit</li> <li>3. Globalisation</li> </ol> <p>Consumer Rights</p> |

SCIENCE

| TERM   | CHAPTERS  |
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| TERM-I   | PHYSICS   |
|  | 1) ELECTRICITY                                    |
|  | 2) MAGNETIC EFFECTS OF CURRENT                    |
|  | 3) SOURCES OF ENERGY                              |
|  | PRACTICALS  |
|  | 1) VERIFICATION OF OHM'S LAW                      |
|  | 2) EFFECTIVE RESISTANCE FOR RESISTORS IN SERIES   |
|  | 3) EFFECTIVE RESISTANCE FOR RESISTORS IN PARALLEL |
|  | CHEMISTRY   |
|  | 1) Chemical reactions and equation                |
|  | 2) Acids , bases and salts                        |
|  | 3) Metals and non metals                          |
|  | PRACTICALS  |
|  | 1) Ph of solutions                                |
|  | 2) Properties of acids and bases                  |
|  | 3) Reactivity of metals                           |
|  | 4) Types of chemical changes                      |
| <b>BIOLOGY</b>                                   |   |
| 1) Life Processes                                |   |
| 2) Control And Co-ordination                     |   |
| PRACTICALS                                       |   |
| 1) Temporary mount of leaf peel to show stomata. |   |

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|                | <p>2) Light is necessary for Photosynthesis.</p> <p>3) Carbon dioxide is given out during respiration.</p>  |
| <p>TERM-II</p> | <p style="text-align: center;">PHYSICS</p> <p>1) LIGHT</p> <p>2) HUMAN EYE &amp; THE COLOURFUL WORLD</p> <p>PRACTICALS</p> <p>1) FOCAL LENGTH OF CONCAVE MIRROR &amp; CONVEX LENS</p> <p>2) IMAGE POSITIONS FOR DIFFERENT OBJECT POSITIONS FOR CONVEX LENS</p> <p>3) TRACING THE PATH OF LIGHT RAYS THROUGH GLASS SLAB</p> <p>4) TRACING THE PATH OF LIGHT RAYS THROUGH GLASS PRISM</p> <p style="text-align: center;">CHEMISTRY</p> <p>1) Carbon and its compounds</p> <p>2) Periodic classification of elements</p> <p>PRACTICALS</p> <p><b>1)</b> The properties of acetic acid</p> <p>2) Saponification –preparation of soap</p> <p>3) Relative foaming action of soap and detergent</p> <p style="text-align: center;">BIOLOGY</p> <p>1) How do Organisms Reproduce?</p> <p>2) Heredity and Evolution</p> <p>3) Management of Natural Resources</p> <p>4) Our Environment</p> <p>PRACTICALS</p> <p>1) Binary fission in Amoeba and budding in yeast with the help of</p> |

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|  | <p>prepared slides.</p> <p>2) Homology and analogy with the help of preserved specimens.</p> <p>3) Different parts of a dicot embryo identification</p> |
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HINDI

| TERM   | CHAPTERS   |
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| TERM-I | <p>TEXT BOOKS : स्पर्श भाग-2 (NCERT)</p> <p>संचयन भाग-2 (NCERT)</p> <p>आधुनिक व्याकरण एवं रचना (लक्ष्मी पब्लिकेशन)</p> <p><u>PROSE</u> :</p> <p>बड़े भाई साहब, डायरी का एक पन्ना, ततौरा वामीरो कथा, तीसरी कसम के शिल्पकार शैलेंद्र</p> <p><u>POETRY</u> :</p> <p>कबीर (साखी), मीरा के पद, पर्वत प्रदेश में पावस, तोप</p> <p><u>NON DETAIL</u> :</p> <p>हरिहर काका</p> <p><u>GRAMMAR &amp; WRITING SKILLS</u> :</p> <p>शब्द, पद एवं पदबंध, पद-परिचय, वाक्य रूपांतरण, स्वर संधि, तत्पुरुष व कर्मधारय समास, मुहावरे व लोकोक्तियाँ, पत्र-लेखन (औपचारिक), अनुच्छेद लेखन, अपठित गद्यांश एवं काव्यांश</p> |

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| TERM-II | <p><u>PROSE :</u></p> <p>गिरगिट, अब कहाँ दूसरों के दुख से दुखी होने वाले, पतझर में टूटी पत्तियाँ, कारतूस</p> <p><u>POETRY :</u></p> <p>बिहारी के दोहे, मनुष्यता, मधुर-मधुर मेरे दीपक जल, कर चले हम फ़िदा, आत्मत्राण</p> <p><u>NON DETAIL :</u></p> <p>सपनों के से दिन, टोपी शुक्ला</p> <p><u>GRAMMAR &amp; WRITING SKILLS :</u></p> <p>पदबंध, पद-परिचय, वाक्य रूपांतरण, स्वर संधि, तत्पुरुष व कर्मधारय समास, मुहावरे व लोकोक्तियाँ, वाक्य संशोधन, पत्र-लेखन (औपचारिक), अनुच्छेद लेखन, अपठित गद्यांश एवं काव्यांश</p> |
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Telugu (II LANG)

| TERM   | CHAPTERS   |
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| TERM-I | <p>బారిష్టర్ పాఠ్యతీశం ( ఉ.వా ) -1,2,3 భాగాలు</p> <p>మాతృవేదన ( పద్య ) ,</p> <p>ఉత్పలమాల , చంపకమాల ( ఛందస్సు )</p> <p>అంపకాలు (గద్య), ఆమ్రేడిత సంధి,</p> <p>బొండు మల్లెలు (గద్య),</p> <p>పుంప్వాదేశ సంధి , పడ్వాది సంధి.</p> |

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|                | <p>ప్రవరుని స్వగతం ( పద్య )</p> <p>చేనేత దృక్పథం(గద్య ),</p> <p>బహుప్రీహి, రూపక ( సమాసాలు )</p> <p>ద్వంద్వ , ద్విగు ( సమాసాలు )</p> <p>జాతీయాలు, సామెతలు</p>  |
| <p>TERM-II</p> | <p>బారిష్టర్ పార్వతీశం ( ఉ.వా ) - 4,5,6,7 భాగాలు,</p> <p>నావిషయం ( గద్య )</p> <p>రంగస్థలంపై సమయస్ఫూర్తి ( గద్య )</p> <p>స్ట్రీట్ చిల్డ్రన్ ( పద్య )</p> <p>సందేశం ( పద్య )</p> <p>అంబేద్కర్ వ్యక్తిత్వం ( గద్య )</p> <p>ద్విరుక్త టకార సంధి , త్రిక సంధి ,</p> <p>గపడదవాదేశ సంధి , రుగాగమసంధి</p> <p>సుభాషితాలు - ( పద్య )</p> <p>ఓరుగల్లు ( పద్య )</p> <p>మత్తేభం, శార్దూలం ( ఛందస్సు )</p> <p>క్రమాలంకారం, ఉపమ , అతిశయోక్తి ,</p> <p>అర్థాంతరన్యాసాలంకారం</p> <p>వ్యాసాలు , లేఖలు</p> <p>సామెతలు , జాతీయాలు</p> |

