

**LOYOLA SCHOOL, BHUBANESWAR**  
**SYLLABUS (2022 – 23)**

**CLASS IX**

SUBJECT	HALF YEARLY EVALUATION	FINAL EVALUATION
<b>English Language</b>	<p><b>Half-Yearly Evaluation: 80 Marks</b> Total English: Practice Paper – 2 to 8 Project: 10 Marks (Oral skills) CW / HW : 10 Marks</p>	<p><b>Final Evaluation: 80 Marks</b> Half Yearly Evaluation + Total English: Practice Paper – 9 to 15 Project: 10 Marks (Aural skills) CW / HW : 10 Marks</p>
<b>English Literature</b>	<p><b>Half-Yearly Evaluation: 80 Marks</b> *Merchant of Venice –  <ul style="list-style-type: none"> <li>• Act I (scen1, 2 &amp; 3)</li> </ul>           *Treasure Trove –  <u>Prose</u> <ul style="list-style-type: none"> <li>• Chief Seattle’s speech</li> <li>• The Old Man at the Bridge</li> <li>• A Horse and Two Goats</li> </ul> <u>Poem</u> –           <ul style="list-style-type: none"> <li>• Television</li> <li>• Daffodils</li> <li>• The Heart of the Tree</li> </ul> <b>Project: 10 Marks</b> (Long Questions) <b>CW / HW : 10 Marks</b></p>	<p><b>Final Evaluation: 80 Marks</b> Half Yearly Evaluation + *The Merchant of Venice –  <ul style="list-style-type: none"> <li>• Act II (scene1-9)</li> <li>• Act III (scene 1) only</li> </ul>           *Treasure Trove –  <u>Prose</u> <ul style="list-style-type: none"> <li>• Hearts and Hands</li> <li>• An Angel in Disguise</li> <li>• A Face in the Dark</li> </ul> <u>Poem</u> –           <ul style="list-style-type: none"> <li>• The Cold Within</li> <li>• After Blenheim</li> <li>• The Bangle Sellers</li> </ul> <b>Project: 10 Marks</b> (Long Questions) <b>CW / HW : 10 Marks</b></p>
<b>History &amp; Civics</b>	<p><b>Half-Yearly Evaluation: 80 Marks</b> History – Ch 1 – Harrapan Civilization Ch 2 – The Early Vedic Age Ch 3 – The Later Vedic Age Ch 4 – Jainism &amp; Buddhism Ch 5 – The Mauryan Empire Ch 6 – The Sangam Age  Civics – Ch 1 – Our Constitution &amp; Its Salient Features Ch2--Fundamental Rights and Duties Ch 3 – Elections and Election Commission Project : 20 marks Topic : <u>Industrial Revolution</u></p>	<p><b>Final Evaluation: 80 Marks</b> Half Yearly Evaluation + History – Ch 7 – The Age of the Guptas Ch 8 – South India and Cholas Ch 9 – The Delhi Sultanate Ch 10 – The Mughal Empire Ch 12 – The Renaissance  Civics – Ch 4 – Local Self Government Rural Ch 5 – Local Self Government Urban Project : 20 marks Topic : The Composite Culture</p>
<b>Geography</b>	<p><b>Half-Yearly Evaluation: 80 Marks</b> Ch 1 - Earth as a Planet Ch 2 - Geographic Grid – Latitudes and Longitudes Ch 3 - Rotation and Revolution Ch 4 - Earth’s Structure Ch 5 - Landforms of the Earth Ch 6 - Rocks Ch 7 - Volcanoes Ch 8 - Earthquakes Ch 20 - Natural Regions of the World  Project – to be told in the class Maps - 1, 2, 5 (page 167 of the textbook )</p>	<p><b>Final Evaluation: 80 Marks</b> Half-Yearly Evaluation + Ch 9 - Weathering Ch 10 - Denudation Ch 11 - Hydrosphere Ch 12 - Composition and Structure Of the Atmosphere Ch 13 - Insolation Ch 14 - Atmospheric Pressure and Winds Ch 15 – Humidity Ch 16 – Pollution Ch 17 - Sources of Pollution Ch 18 – Effects of Pollution Ch 19 - Preventive Measures Maps – 3 and 4 (page 167 of the textbook) Project – to be told in the class</p>

**CLASS IX**

<b>SUBJECT</b>	<b>HALF YEARLY EVALUATION</b>	<b>FINAL EVALUATION</b>
<b>Mathematics</b>	<p><b>Half-Yearly Evaluation: 80 Marks</b></p> <ol style="list-style-type: none"> <li>Rational and Irrational number</li> <li>Compound Interest (without using formula)</li> <li>Compound Interest (using formula)</li> <li>Expansion</li> <li>Factorization</li> <li>Simultaneous equation</li> <li>Indices</li> <li>Logarithm</li> <li>Triangle</li> <li>Isosceles Triangle</li> <li>Inequalities</li> <li>Midpoint theorem</li> <li>Pythagoras Theorem</li> <li>Rectilinear figure</li> <li>Construction of polygon</li> <li>Area theorem</li> </ol> <p>Project: 10 Marks CW / HW : 10 Marks</p>	<p><b>Final Evaluation: 80 Marks</b></p> <p>Half Yearly Evaluation +</p> <ol style="list-style-type: none"> <li>Circle</li> <li>Statistics</li> <li>Mean and Median</li> <li>Area and perimeter of plane figure</li> <li>Solid</li> <li>Trigonometric Ratio</li> <li>Trigonometric ratio and standard angles</li> <li>Solution to right triangles</li> <li>Complementary angles</li> <li>Co-ordinate geometry</li> <li>Graphical solution</li> <li>Distance formula</li> </ol> <p>Project: 10 Marks CW / HW : 10 Marks</p>
<b>Physics</b>	<p><b>Half-Yearly Evaluation: 80 Marks</b></p> <ol style="list-style-type: none"> <li>Measurement and Experimentation.</li> <li>Motion in One Dimension.</li> <li>Laws of Motion.</li> <li>Pressure in Fluids and atmospheric pressure.</li> <li>Upthrust in fluids, Archimedes Principle and Floatation.</li> <li>Heat and Energy.</li> </ol> <p><u>Test on numerical of Motion in one dimension: 10mks</u> <u>CW/HW: 10 marks</u></p>	<p><b>Final Evaluation: 80 Marks</b></p> <p>Half Yearly Evaluation +</p> <ol style="list-style-type: none"> <li>Reflection of light.</li> <li>Propagation of sound waves</li> <li>Current electricity.</li> <li>Magnetism</li> </ol> <p><u>Practical: 10Marks</u> <u>CW/HW: 10 marks</u></p>
<b>Chemistry</b>	<p><b>Half-Yearly Evaluation: 80 Marks</b></p> <ol style="list-style-type: none"> <li>Language of chemistry</li> <li>Chemical changes and reactions</li> <li>Water</li> <li>Atomic structure and chemical bonding</li> <li>Periodic table</li> <li>Practical chemistry</li> </ol> <p>PROJECT TEST – 10 MARKS CW &amp; HW COPY – 10 MARKS</p>	<p><b>Final Evaluation: 80 Marks</b></p> <p>Half Yearly Evaluation +</p> <ol style="list-style-type: none"> <li>Hydrogen</li> <li>Study of gas laws</li> <li>Atmospheric pollution</li> <li>Atomic structure and chemical bonding</li> <li>Chemical changes and reactions</li> <li>Periodic table</li> <li>Practical chemistry</li> </ol> <p>PROJECT TEST – 10 MARKS CW &amp; HW COPY – 10 MARKS</p>

**CLASS IX**

<b>SUBJECT</b>	<b>HALF YEARLY EVALUATION</b>	<b>FINAL EVALUATION</b>
<b>Biology</b>	<p><b>Half-Yearly Evaluation: 80 Marks</b></p> <ol style="list-style-type: none"> <li>1. Cell</li> <li>2. Tissues:Plant and Animal tissue</li> <li>3. The flower</li> <li>4. Pollination and fertilization</li> <li>5. Seeds: structure and germination</li> <li>6. Respiration in plants</li> <li>7. Five kingdom classification.</li> <li>8. Economic importance of bacteria and fungi</li> <li>9. Nutrition</li> </ol> <p>Project – Practical (20 marks)</p> <p><b><u>Question pattern – ICSE Pattern</u></b></p>	<p><b>Final Evaluation: 80 Marks</b></p> <p>Half Yearly Evaluation +</p> <ol style="list-style-type: none"> <li>1. Digestive system</li> <li>2. Skeleton:Movement and Locomotion</li> <li>3. Skin</li> <li>4. The respiratory system</li> <li>5. Hygiene</li> <li>6. Diseases:cause and control</li> <li>7. Aids to health.</li> <li>8. Health organization</li> <li>9. Waste generation and management</li> </ol> <p>Project – Practical (20 marks)</p> <p><b><u>Question pattern – ICSE Pattern</u></b></p>
<b>Computer Applications</b>	<p><b>Half-Yearly Evaluation: 80 Marks</b></p> <p><b>Half-Yearly Evaluation: 100 Marks</b></p> <p>Ch 1. Introduction to Object Oriented Programming Concepts</p> <p>Ch 2. Introduction to Java</p> <p>Ch 3.Elementary Concepts of Objects and Classes</p> <p>Ch 4.Values and Data Types</p> <p>Ch 5.Operators and Expressions</p> <p>Ch 7.Input in Java</p> <p>Ch 9.Conditional Constructs in Java</p> <p>Project :JAVA programs [10 Marks]</p> <p>CW/HW - [10 Marks]</p>	<p><b>Final Evaluation: 100 Marks</b></p> <p><b>Half Yearly Evaluation +</b></p> <p>Ch 8. Mathematical Library Functions</p> <p>Ch 10.Iteration constructs in JAVA</p> <p>Project :JAVA programs [10 Marks]</p> <p>CW/HW - [10 Marks]</p>
	<b>Question Pattern</b>	
	<p><b>Section-A</b>[Answer in two to three sentences, Write JAVA statements, Mathematical formulas, Rectify the error and rewrite, Write the dry-run and output]</p> <p><b>Section-B</b>[JAVA programs]</p>	
<b>Economic Applications</b>	<p><b>Half-Yearly Evaluation: 80 Marks</b></p> <p>Ch 1. Defination of economis</p> <p>Ch 2. Concept of Economics</p> <p>Ch 3. Basic problems of Economics</p> <p>Ch 4. Types of Economies</p> <p>Ch 5. An overview of Indian Economy</p> <p>Ch 6. Sectors in India Economy</p> <p>CW/HW- 10 Marks</p> <p>Project : Eco-friendly technologies. 10 marks</p>	<p><b>Final Evaluation: 80 Marks</b></p> <p>Half Yearly Evaluation +</p> <p>Ch 7. Public and Private Sectors in Indian Economy</p> <p>Ch 15. Infrastructure of Indian Economy</p> <p>Ch 16 Consumer awareness</p> <p>Ch 17 Globalisation</p> <p>Ch 18 WTO and MNCs</p> <p>CW/HW- 10 Marks</p> <p>Project : Banking 10 marks</p>

CLASS IX

SUBJECT	HALF YEARLY EVALUATION	FINAL EVALUATION
<b>2<sup>nd</sup> Lang (Hindi)</b>	<p><b>Half-Yearly Evaluation: 80 Marks</b>  <b>साहित्य सागर</b>                      11.बात अठनीकी                      2.काकी                      3.महायज्ञ का पुरस्कार  <b>एकांकी संचय-</b>                      1. संस्कार और भावना                      2. बहू की विदा                      भाववाचकसंज्ञा-(अतिथि-मीठा)                      विशेषण-(अंत-घनिष्टता)                      विलोम शब्द-(अंधकार-क्रिया)                      समोच्चरित भिन्नार्थक शब्द-(अंश-अश्म)                      तत्सम-तद्भव-(लाख-उलाहना)                      अनेकार्थी शब्द-(अर्क-जीवन)                      पर्यायवाची शब्द-(अकस्मात्-किनारा)                      मुहावरे-1-47                      निर्देश के अनुसार वाक्य परिवर्तन ,                      अपठित गद्यांशपत्र                      प्रस्ताव लेखन                      पत्र                      लोकोक्तियाँ-1-26                      Project – 10 Marks                      Oral:- 5 Marks                      CW/HW- 10 Marks</p>	<p><b>Final Evaluation: 80 Marks</b>  <b>Half Yearly Evaluation +</b>  <b>साहित्य सागर</b>                      4.नेताजी का चश्मा                      5.अपना-अपना भाग्य                      6.बड़े घरकीबेटी  <b>एकांकी संचय-</b>                      3.मातृभूमि का मान                      4. सूखी डाली                      साहित्य सागर(Repetition- 1,2,3)                      एकांकी संचय(Repetition- 1,2)                      भाववाचक संज्ञा-(राष्ट्रीय-हराना)                      विशेषण-(घमंड - प्रतीक्षा)                      विलोम शब्द-(खिलना-वृष्टि )                      समोच्चरित भिन्नार्थक शब्द-(अपत्य-उपर्युक्त)                      तत्सम-तद्भव-(अदरक-सत्य)                      अनेकार्थी शब्द-(जलद-हस्ती)                      पर्यायवाची शब्द-(किसान- बसंत)                      वाक्यांशों के लिए एक शब्द-(अवध्य-अविश्वसनीय)                      मुहावरे-48-97                      निर्देश के अनुसार वाक्य परिवर्तन ,                      अपठित गद्यांश                      प्रस्ताव लेखन                      पत्र                      लोकोक्तियाँ-27-48                      Project – 10 Marks                      Oral:- 5 Marks                      CW/HW- 10 Marks</p>
<b>2<sup>nd</sup> Lang (Odia)</b>	<p><b>Half-Yearly Evaluation: 80 Marks</b>                      Class work / Home work – 10                      Project – 10  <b>Chapters</b>                      ଧୂଳିଆବାବା                      ଭଦ୍ରଲୋକ                      ଶିକାର                      ମହିମା                      କାଳିଜାଇ                      ଗାନ୍ଧୀର ଆଶୀର୍ବାଦ                      ବ୍ୟାକରଣ – ରୂଢି – ( ୧ ରୁ ୧୦୦ ) , ପ୍ରତିଶବ୍ଦ – ( ଅଗ୍ନି ରୁ ପବନ ) , ସମୋଚ୍ଚାରିତ , ବିପରୀତ ଶବ୍ଦ ( ୯୨ ରୁ ୯୫ ) , ଭିନ୍ନାର୍ଥକ – ( ୮୧ ରୁ ୮୪ ) , ଏକପଦାକରଣ – ୫୦ ଟା , ସଂଶୋଧନ – ( ୫୫ ରୁ ୫୭ ) , ସଜାଡିଲେଖା , ଅଜଣା ଅନୁଚ୍ଛେଦ , ପତ୍ରଲିଖନ , ରଚନା ।                      ପ୍ରୋଜେକ୍ଟ – ପରିବାର ପ୍ରତି ତୁମର ୫ ଟି କର୍ତ୍ତବ୍ୟକୁ ଚିତ୍ର ସହ ପସ୍ତାପନ କର । ( ୨୫୦ ଶବ୍ଦ ମଧ୍ୟରେ )</p>	<p><b>Final Evaluation: 80 Marks</b>  <b>Half Yearly Evaluation +</b>                      Class work / Home work – 10                      Project – 10  <b>Chapters</b>                      ନୟନପୁର ଏକ୍ସପ୍ରେସ                      କୃପାଣ                      ମିଖାଗ୍ନି                      ଗରିବର ଦୁର୍ଗାସ୍ତବ                      ଜଗତେ କେବଳ                      ବନଫୁଲ ଉଦ୍ୟାନ କୁସୁମ                      ବ୍ୟାକରଣ – ରୂଢି – ( ୧୦୧ ରୁ ୨୦୦ ) , ପ୍ରତିଶବ୍ଦ (ପର୍ବତ ରୁ ହିମାଳୟ ) , ସମୋଚ୍ଚାରିତ ଓ ଭିନ୍ନାର୍ଥକ ଶବ୍ଦ – ( ୮୫ ରୁ ୮୮ ) , ବିପରୀତ – ( ୯୬ ରୁ ୯୮ ) , ଏକପଦାକରଣ – ୫୦ ଟା , ସଂଶୋଧନ – ( ୫୮ ରୁ ୬୦ ) , ସଜାଡିଲେଖା , ଅଜଣା ଅନୁଚ୍ଛେଦ , ପତ୍ରଲିଖନ , ରଚନା ।                      ପ୍ରୋଜେକ୍ଟ – ରେଳ ସେବା ଦେଶର କେଉଁ କେଉଁ କ୍ଷେତ୍ରକୁ ପ୍ରଭାବିତ କରିଥାଏ ଚିତ୍ରସହ ଉପସ୍ଥାପନ କର । ( ୨୫୦ ଶବ୍ଦ ମଧ୍ୟରେ )</p>