

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

**Class XII – A**

SUBJECT	HALF YEARLY EVALUATION	PRE BOARD
<b>English Language</b>	<p><b>Half yearly Evaluation:</b>  <u>Total English</u>            Sample papers – 2 to 7 and            Essay, Directed writing, proposal, functional grammar and comprehension passage.            Question pattern – ISC pattern</p>	<p><b>II Term Evaluation:</b>            Half yearly Evaluation +  <u>Total English</u>            Sample papers – 8 to 15 and            Essay, Directed writing, proposal, functional grammar and comprehension passage.            Question pattern – ISC pattern</p>
<b>English Literature</b>	<p><b>Half yearly Evaluation:</b>            The Tempest (Act 3 &amp; Act 4)            Echoes -            A Collection of ISC Short Stories            1. The Story of an Hour – Kate Chopin.            2. A Gorilla in the Guest Room - Gerald Durrell            3. The Singing Lesson – Katherine Mansfield            Reverie - A Collection of ISC Poems            1. The Darkling Thrush – Thomas Hardy            2. Birches – Robert Frost            3. Crossing the Bar – Alfred, Lord Tennyson            Question pattern – ISC pattern            NOTE: <u>Complete syllabus covered in Classes XI and XII half yearly will be examined for Literature in English (English Paper – 2) in the half yearly examination.</u></p>	<p><b>II Term Evaluation:</b>            Half yearly Evaluation +            The Tempest (Act 5)            Echoes -            A Collection of ISC Short Stories            1. The Sound Machine – Roald Dahl            2. B. Wordsworth – V.S. Naipaul III.            3. To Build a Fire – Jack London            Reverie –A collection of ISC poems            1. Dover Beach – Matthew Arnold            2. We are the Music Makers – Arthur William Edgar O’Shaughnessy            Question pattern – ISC pattern            NOTE: <u>Complete syllabus covered in Classes XI and XII will be examined for Literature in English (English Paper – 2) in the final examination.</u></p>
<b>Mathematics</b>	<p><b>Half yearly Evaluation: 100 Marks</b>            1. Relation and Function            2. Inverse trigonometric function            3. Matrices and Determinant            4. Continuity and differentiability of function            5. Differentiation            6. Indeterminate form of limits            7. Mean Value theorem            8. Application of Derivative            9. Maxima and minima            10. Indefinite integral            11. Vectors (OR) Linear Regression            12. Three dimensional Geometry (OR) Linear Programming            Question pattern – ISC pattern</p>	<p><b>II Term Evaluation: 100 Marks</b>            Half yearly Evaluation +            1. Definite integral            2. Differential equation            3. Probability (Laws of probability)            4. Baye’s theorem            5. Theoretical Probability Distribution            6. Application of integrals (OR) Linear Programming            7. The plane (OR) Application of Calculus in commerce and Economics            Question pattern – ISC pattern</p>
<b>Physics</b>	<p><b>Half-Yearly Evaluation: 70 Marks</b>            1. Electrostatics            2. Current electricity.            3. Magnetic effects of current and magnetism            4. Electromagnetic induction and alternating current.            5. Electromagnetic waves.            Practical: 30mks            Question pattern – ISC pattern</p>	<p><b>Final Evaluation: 70 Marks</b>            Half yearly Evaluation +            1. Optics            2. Dual nature of radiation and matter.            3. Atoms and nuclei.            4. Electronic devices            5. Communication systems.            Practical: 30mks            Question pattern – ISC pattern</p>

**Class XII – A**

<b>SUBJECT</b>	<b>HALF YEARLY EVALUATION</b>	<b>PRE BOARD</b>
<b>Chemistry</b>	<p><b>Half yearly Evaluation: 70 Marks</b></p> <p>1. Solid State. 2. Solutions 3. Electrochemistry 4. Chemical Kinetics 5. Surface Chemistry 6. General Principles And Processes Of Isolation Of Elements 7. P-Block Elements 8. D And F-Block Elements</p> <p>Practicals- Volumetric Analysis Qualitative Analysis Identification Of Organic Compounds Practical test-15 marks Journal - 5 marks Project - 10 mark Question pattern – ISC pattern</p>	<p><b>Pre Board: 70 Marks</b></p> <p>Half yearly Evaluation +</p> <p>1. Coordination Compounds 2. Haloalkanes And Haloarenes. 3. Alcohols, Phenols And Ethers 4. Aldehydes, Ketones And Carboxylic Acids 5. Organic Compounds Containing Nitrogen 6. Biomolecules 7. Polymers 8. Chemistry In Everyday Life</p> <p>Practicals- Volumetric Analysis Qualitative Inorganic Analysis Identification Of Organic Compounds Practical test-15 marks Journal- 5 marks Question pattern – ISC pattern</p>
<b>Biology</b>	<p><b>Half yearly Evaluation: 70 Marks</b></p> <p>Ch 1-Reproduction in organism Ch 2- Sexual reproduction in flowering Ch 3-Human Reproduction Ch 4-Reproductive health Ch 5-Principles of inheritance and variation Ch 6-Molecular basis of inheritance Ch 7-Evolution Ch 11-Biotechnology-Principles and processes Ch 12-Biotechnology and its application Practical work:-Taxonomy, Spotting, Biochemical and physiological experiments Project – Practical 30mark Question pattern – ISC pattern</p>	<p><b>Pre Board: 70 Marks</b></p> <p>Half yearly Evaluation +</p> <p>Ch 8-Human health and diseases Ch 9-Strategies for enhancement of food production Ch 10-Microbes in human welfare Ch 13-Organisms and Populations Ch 14-Ecosystem Ch 15-Biodiversity and its conservation Ch 16-Environmental Issues. Practical work :, Slide preparation. Project work: Investigatory project. Project – Practical 30mark Question pattern – ISC pattern</p>
<b>Computer Science</b>	<p><b>Half yearly Evaluation: 70 Marks</b></p> <p>Ch1-( Revising page 1-38),Derivation of Boolean Expression, Minimization of Boolean Expression Ch2-(Revising upto Page -108 Ch3-Ch11 – Revising (except working with String Buffer. Implementation of two-dim array in memory. Ch-12 Concept of Inheritance Ch-13 Simple Data structure Paper I: Theory 3 hours ( 70 marks ) Paper II: practical 2hours(30 marks) Question pattern – ISC pattern</p>	<p><b>Pre Board: 70 Marks</b></p> <p>Half yearly Evaluation +</p> <p>Ch-14 Recursive Data Structure Ch-15 Computational Complexity</p> <p>Paper I: Theory 3 hours ( 70 marks ) Paper II: practical 2hours(30 marks) Question pattern – ISC pattern</p>
	<p><b>Question Pattern</b></p> <p>Part – I Short Answer Type Questions : 20 Marks Part – II Section A : Two out of Three : 20 Marks Section B : Two out of Three : 20 Marks Section C : Two out of Three : 10 Marks</p>	