

**LOYOLA SCHOOL, BHUBANESWAR**  
**SYLLABUS (2020 – 21)**

**Class XII – A & B**

SUBJECT	HALF YEARLY EVALUATION	PRE BOARD
<b>English Language</b>	<b>Half yearly Evaluation:</b> <u>Total English</u> Sample papers – 3 to 8 Question pattern – ISC pattern	<b>II Term Evaluation:</b> Half yearly Evaluation + <u>Total English</u> Sample papers – 9 to 15
	Portion will include essay, report writing , proposal, comprehension, functional grammar	
<b>English Literature</b>	<b>Half yearly Evaluation:</b> Drama : Candida –G. B. Shaw Act 1 Act 2 Act 3 Reverie – A Collection of ISC Poems The Darkling Thrush Birches Desiderata Echoes -A Collection of ISC Short Stories To Build A Fire B .Wordsworth Portion completed in standard 11 will also be included Question pattern – ISC pattern	<b>II Term Evaluation:</b> Half yearly Evaluation + Reverie –A collection of ISC poems The Dolphins John Brown We are the Music Makers Echoes –A collection of short stories The Singing Lesson The Sound Machine The entire syllabus of standard 11 and 12 Question pattern – ISC pattern
	<b>Half yearly Evaluation: 100 Marks</b> 1. Determinant 2. Matrices 3. Relation 4. Function 5. Binary operation 6. Inverse trigonometric function 7. Continuity and differentiability of function 8. Differentiation 9. Indeterminate form of limits 10. Mean Value theorem 11. Application of Derivative 12. Maxima and minima 13. Indefinite integral 14. Vectors (OR) Linear Regression 15. Three dimensional Geometry (OR) Linear Programming Question pattern – ISC pattern	
<b>Mathematics</b>	<b>Half yearly Evaluation: 100 Marks</b> 1. Determinant 2. Matrices 3. Relation 4. Function 5. Binary operation 6. Inverse trigonometric function 7. Continuity and differentiability of function 8. Differentiation 9. Indeterminate form of limits 10. Mean Value theorem 11. Application of Derivative 12. Maxima and minima 13. Indefinite integral 14. Vectors (OR) Linear Regression 15. Three dimensional Geometry (OR) Linear Programming Question pattern – ISC pattern	<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
	<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. 6. Ray optics Practical: 30mks Question pattern – ISC pattern	
<b>Physics</b>	<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. 6. Ray optics Practical: 30mks Question pattern – ISC pattern	<b>Final Evaluation: 70 Marks</b> Half yearly Evaluation + 1. Wave optics 2. Dual nature of radiation and matter. 3. Atoms and nuclei. 4. Electronic devices 5. communication systems. Practical: 30mks Question pattern – ISC pattern
	<b>Final Evaluation: 70 Marks</b> Half yearly Evaluation + 1. Wave optics 2. Dual nature of radiation and matter. 3. Atoms and nuclei. 4. Electronic devices 5. communication systems. Practical: 30mks Question pattern – ISC pattern	

**Class XII – A & B**

<b>SUBJECT</b>	<b>HALF YEARLY EVALUATION</b>	<b>PRE BOARD</b>
<b>Chemistry</b>	<p><b>Half yearly Evaluation: 70 Marks</b></p> <ol style="list-style-type: none"> <li>Solid State.</li> <li>Solutions</li> <li>Electrochemistry</li> <li>Chemical Kinetics</li> <li>Surface Chemistry</li> <li>Haloalkanes And Haloarenes.</li> <li>Alcohols, Phenols And Ethers</li> <li>Aldehydes, Ketones And Carboxylic Acids</li> <li>Organic Compounds Containing Nitrogen</li> <li>Biomolecules</li> <li>Polymers</li> <li>Chemistry In Everyday Life</li> </ol> <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> <ol style="list-style-type: none"> <li>General Principles And Processes Of Isolation Of Elements</li> <li>P-Block Elements</li> <li>D And F-Block Elements</li> <li>Coordination Compounds</li> </ol> <p>Practicals- Volumetric Analysis Qualitative 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>Half yearly Evaluation: 70 Marks</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>Pre Board: 70 Marks Half yearly Evaluation + Ch-14 Recursive Data Structure Ch-15 Computational Complexity 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><b>Part – I</b> Short Answer Type Questions : 20 Marks <b>Part – II Section A</b> : Two out of Three : 20 Marks <b>Section B</b> : Two out of Three : 20 Marks <b>Section C</b> : Two out of Three : 10 Marks</p>	

**Class XII – A & B**

<b>SUBJECT</b>	<b>HALF YEARLY EVALUATION</b>	<b>PRE BOARD</b>
<b>Economics</b>	<p><b>Half-Yearly Evaluation: 100 Marks</b>            Ch 1. Demand Analysis            Ch 2. The concept of supply            Ch 3. Market mechanism            Ch 4. Production            Ch 5. Revenue and cost concept            Ch 6. Market morphology and determination of price and output            Ch 7. Determination of income and employment</p> <p>Project : Based on PSU [10 Marks]            CW/HW - [10 Marks]</p>	<p><b>Final Evaluation: 100 Marks</b>  <b>Half Yearly Evaluation +</b>            Ch 8. Money and banking            Ch 9. National Income            Ch 10. Public finance            Ch 11. Balance of payments accounts            Ch 12. Foreign exchange rate            Project : Based on Banking [10 Marks]            CW/HW - [10 Marks]</p>
	<p><b>Question Pattern</b>  <b>Section-A</b>[Answer in two to three sentences 2 Mks Questions]  <b>Section-B</b>[Answer in detail:-[3Mks and 6 Mks Questions]</p>	

**LOYOLA SCHOOL, BHUBANESWAR**  
**SYLLABUS (2020 – 21)**

**Class XII – C**

SUBJECT	HALF YEARLY EVALUATION	PRE BOARD
<b>English Language</b>	<p><b>Half yearly Evaluation:</b> <u>Total English</u> Sample papers – 3 to 8 Question pattern – ISC pattern</p>	<p><b>II Term Evaluation:</b> Half yearly Evaluation + <u>Total English</u> Sample papers – 9 to 15</p>
	Portion will include essay, report writing , proposal, comprehension, functional grammar	
<b>English Literature</b>	<p><b>Half yearly Evaluation:</b> Drama : Candida –G. B. Shaw Act 1 Act 2 Act 3 Reverie – A Collection of ISC Poems The Darkling Thrush Birches Desiderata Echoes -A Collection of ISC Short Stories To Build A Fire B .Wordsworth Portion completed in standard 11 will also be included Question pattern – ISC pattern</p>	<p><b>II Term Evaluation:</b> Half yearly Evaluation + Reverie –A collection of ISC poems The Dolphins John Brown We are the Music Makers Echoes –A collection of short stories The Singing Lesson The Sound Machine The entire syllabus of standard 11 and 12 Question pattern – ISC pattern</p>
<b>History</b>	<p><b>Half yearly Evaluation: 80 Marks</b> Ch 1 – Towards Independence and Partition: The Last Phase (1935-1947) Ch 2 – Establishment and Development of Indian Democracy (1947-1966) Ch 3 – Challenges to Indian Democracy (1964-1977) Ch 4 – Changing Face of Indian Democracy (1947-1966) Ch 7 – World War-II Ch 9 – Cold War 1945-1991: Origin, Course, End and Impact Project: 20 Marks Question pattern – ISC pattern</p>	<p><b>Pre Board: 80 Marks</b> Half yearly Evaluation + Ch 5 – India’s Foreign Policy Ch 6 – Movements for Women’s Rights Ch 8 – De-Colonization in Asia (China) and Africa (Ghana an Kenya) Ch 10 – Protest Movements (Civil Rights Movement, Anti-Apartheid Movement and Feminist Movement Ch 11 – Middle East: Israeli-Palestine Conflict (1916-1993) Project: ISC project to be discussed and told before the vacations.20 Marks Question pattern – ISC pattern</p>
<b>Economics</b>	<p><b>Half yearly Evaluation: 80 Marks</b> Ch 1. Demand Analysis Ch 2. The concept of supply Ch 3.Market mechanism Ch 4.Production Ch 5.Revenue and cost concept Ch 6.Market morphology and determination of price and output Ch 7.Determination of income and employment Project : Based on PSU [10 Marks] CW/HW - [10 Marks] Question pattern – ISC pattern</p>	<p><b>Pre Board: 80 Marks</b> Half yearly Evaluation + Ch 8.Money and banking Ch 9.National Income Ch 10.Public finance Ch 11.Balance of payments accounts Ch 12.Foreign exchange rate Project : Based on Banking [10 Marks] CW/HW - [10 Marks] Question pattern – ISC pattern</p>
	<p><b>Question Pattern</b> <b>Section-A</b>[Answer in two to three sentences 2 Mks Questions] <b>Section-B</b>[Answer in detail:-[3Mks and 6 Mks Questions]</p>	

**Class XII – C**

SUBJECT	HALF YEARLY EVALUATION	PRE BOARD
<b>Commerce</b>	<p><b>Half yearly Evaluation: 80 Marks</b></p> <ol style="list-style-type: none"> <li>1. Business Environment</li> <li>2. Capital</li> <li>3. Sources of Finance</li> <li>4. Banking</li> <li>5. Management</li> <li>6. Principles of Management</li> <li>7. Functions of Management/Coordination</li> <li>8. Planning</li> <li>9. Organising</li> </ol> <p>Project: Swot Analysis 20 Marks Question pattern – ISC pattern</p>	<p><b>Pre Board: 80 Marks</b></p> <p>Half yearly Evaluation +</p> <ol style="list-style-type: none"> <li>1. Staffing</li> <li>2. Directing</li> <li>3. Controlling</li> <li>4. Marketing Mix</li> <li>5. Marketing- Concept and Function</li> <li>6. Consumer Protection</li> </ol> <p>Project: Banking 20 Marks Question pattern – ISC pattern</p>
<b>Political Science</b>	<p><b>Half yearly Evaluation : 100 Marks</b></p> <p>Chapter 1 : Totalitarian, Authoritarian and Liberal Democratic States</p> <p>Chapter 2 : Unitary and Federal States</p> <p>Chapter 3: Parliamentary and Presidential Governments</p> <p>Chapter 4 : Constitution: Meaning and Kinds; Amending procedures &amp; Conventions</p> <p>Chapter 5: Franchise; elections; Representations &amp; Political Parties</p> <p>Chapter 6: Legislature: Functions; Legislatures of USA and India</p> <p>Chapter 9: Preamble of the Indian Constitution</p> <p>Chapter 10: Salient Features of the Indian Constitution</p> <p>Chapter 11: Fundamental Rights</p> <p>Chapter 12: Directive Principles of State Policy</p> <p>Question pattern – ISC pattern</p>	<p><b>Pre Board: 100 Marks</b></p> <p>Half yearly Evaluation +</p> <p>Chapter 7 : The Executive: Kinds and Functions; Executives of USA and India</p> <p>Chapter 8 : The Judiciary: Functions; Judiciaries of USA and India</p> <p>Chapter 13: Local Self-Governments; Panchayati Raj</p> <p>Chapter 14: Democracy in India: Different challenges facing the Indian Democracy</p> <p>Question pattern – ISC pattern</p>
<b>Mathematics</b>	<p><b>Half yearly Evaluation: 100 Marks</b></p> <ol style="list-style-type: none"> <li>1. Determinant</li> <li>2. Matrices</li> <li>3. Relation</li> <li>4. Function</li> <li>5. Binary operation</li> <li>6. Inverse trigonometric function</li> <li>7. Continuity and differentiability of function</li> <li>8. Differentiation</li> <li>9. Indeterminate form of limits</li> <li>10. Mean Value theorem</li> <li>11. Application of Derivative</li> <li>12. Maxima and minima</li> <li>13. Indefinite integral</li> <li>14. Vectors (OR) Linear Regression</li> <li>15. Three dimensional Geometry (OR) Linear Programming</li> </ol> <p>Question pattern – ISC pattern</p>	<p><b>II Term Evaluation: 100 Marks</b></p> <p>Half yearly Evaluation +</p> <ol style="list-style-type: none"> <li>1. Definite integral</li> <li>2. Differential equation</li> <li>3. Probability (Laws of probability)</li> <li>4. Baye's theorem</li> <li>5. Theoretical Probability Distribution</li> <li>6. Application of integrals (OR) Linear Programming</li> <li>7. The plane (OR) Application of Calculus in commerce and Economics</li> </ol> <p>Question pattern – ISC pattern</p>

**Class XII – C**

<b>SUBJECT</b>	<b>HALF YEARLY EVALUATION</b>	<b>PRE BOARD</b>
<b>Accounts</b>	<p><b>Half yearly Evaluation: 80 Marks</b></p> <ul style="list-style-type: none"> <li>• Partnership Accounts:                             <ul style="list-style-type: none"> <li>-Fundamentals-Goodwill-</li> <li>- Reconstitution of Partnership firm</li> </ul> </li> <li>• Joint Stock Company- Issue of Shares</li> <li>• Financial Statements</li> <li>• Ratio Analysis</li> </ul> <p>Project : 20 mark Question pattern – ISC pattern</p>	<p><b>Pre Board: 80 Marks</b></p> <p>Half yearly Evaluation +</p> <ul style="list-style-type: none"> <li>• Partnership- Retirement , Death of a partner, Dissolution of Partnership firm</li> <li>• Joint Stock Company-Redemption of Debentures</li> <li>• Cash Flow Statement</li> <li>• Ratio Analysis</li> <li>• Final Accounts</li> </ul> <p>Project : 20 mark Question pattern – ISC pattern</p>
	<p><b>Question Pattern</b></p> <p>Section-A : Short Answer Type Questions [2x6=12] Section-B : Part I (Answer 4 out of 7) [12x4=48] Part II (Answer 2 out of 7) [10x2=20]</p>	
<b>Psychology</b>	<p><b>Half yearly Evaluation::: 70 Marks</b></p> <ol style="list-style-type: none"> <li>1. Stress and Stress Management</li> <li>2. Intelligence and ability</li> <li>3. Attitudes</li> <li>4. Life Span Development</li> </ol> <p><b>Project : 30 Marks</b> Question pattern – ISC pattern</p>	<p><b>Pre Board: 70 Marks</b></p> <p>Half yearly Evaluation +</p> <ol style="list-style-type: none"> <li>1. Personality</li> <li>2. Application of Psychology.</li> <li>3. Personality Disorders and Psychotherapy</li> <li>4. Social Thought and Social Behaviour</li> </ol> <p><b>Project : 30 Marks</b> Question pattern – ISC pattern</p>
	<p><b>Question Pattern</b></p> <p><b>Part – I</b> Short Answer Type Questions : 20 Marks <b>Part – II Section A</b> : Two out of Three : 20 Marks <b>Section B</b> : Two out of Three : 20 Marks <b>Section C</b> : Two out of Three : 10 Marks</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</p>	<p><b>Pre Board: 70 Marks</b></p> <p>Half yearly Evaluation +</p> <p>Ch-14 Recursive Data Structure Ch-15 Computational Complexity Paper I: Theory 3 hours ( 70 marks ) Paper II: practical 2hours(30 marks)</p> <p>Question pattern – ISC pattern</p>
	<p><b>Question Pattern</b></p> <p><b>Part – I</b> Short Answer Type Questions : 20 Marks <b>Part – II Section A</b> : Two out of Three : 20 Marks <b>Section B</b> : Two out of Three : 20 Marks <b>Section C</b> : Two out of Three : 10 Marks</p>	