



SRINIVASA RAMANUJAN PUBLIC SCHOOL

[AN ENGLISH MEDIUM CO-EDUCATIONAL SCHOOL]

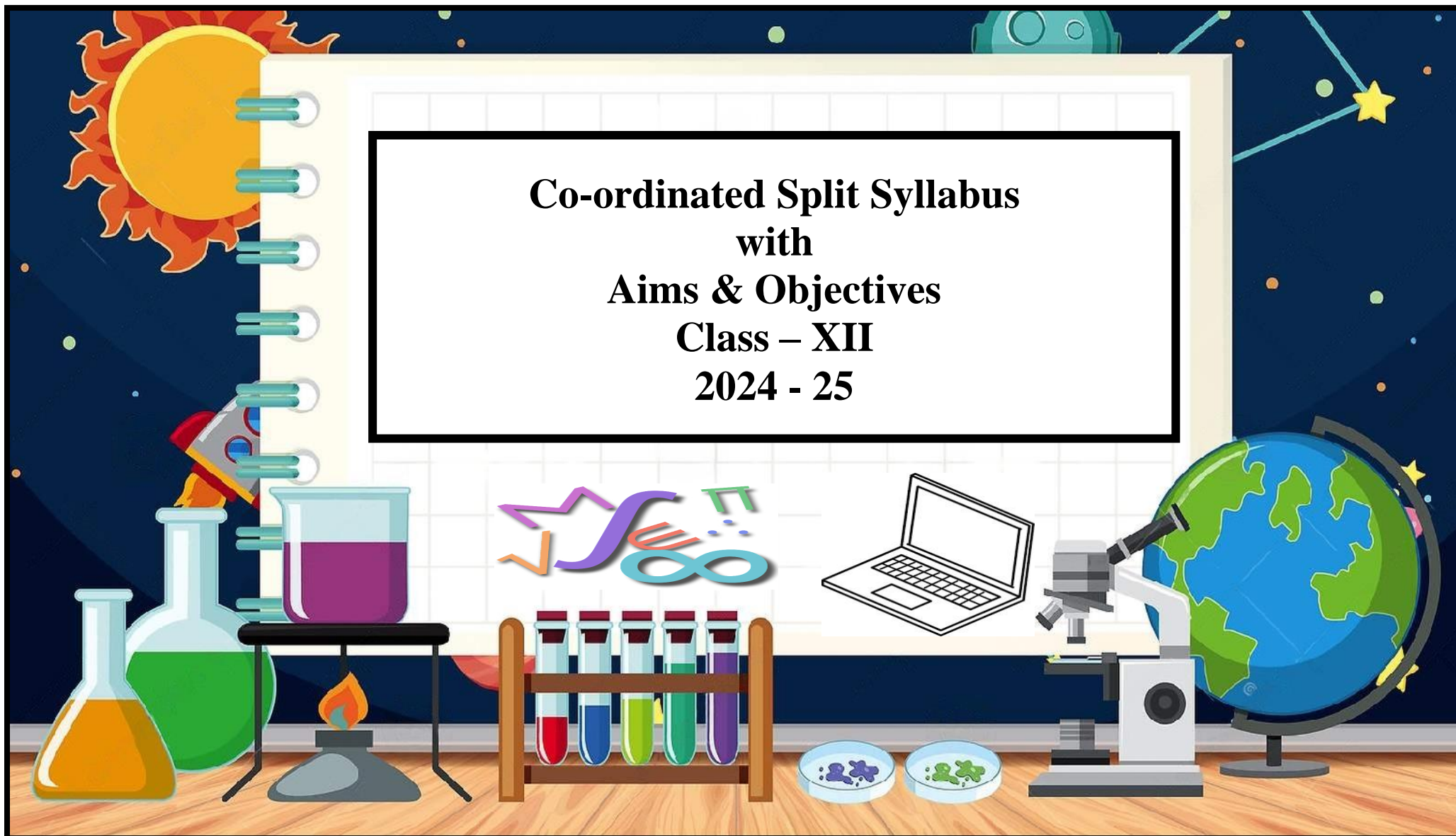
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Affiliation Code:UP393

**AFFILIATED TO
C.I.S.C.E., DELHI**

Co-ordinated Split Syllabus with Aims & Objectives Class – XII 2024 - 25





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Co-Ordinated Split Syllabus of Class – XII (2024 - 2025)

Subject: English Literature		Book Names: The Tempest, Reverie - A Collection of ISC Poems & Echoes - A Collection of ISC Short Stories	
First Term	Second Term	Prelims	
Drama - Macbeth Act – III, Scene I, II & III PRISM: A Collection of ISC Short Stories 1. Atithi / Guest – Rabindranath Tagore 2. The Cookie Lady – Philip K. Dick RHAPSODY: A Collection of ISC Poems 1. Telephone Conversation – Wole Soyinka	Drama - Macbeth Act – III, Scene IV, V & VI Act – IV, Scene I & II PRISM: A Collection of ISC Short Stories 3. There Will Come Soft Rains – Ray Bradbury 4. Indigo – Satyajit Ray RHAPSODY: A Collection of ISC Poems 2. Tithonus – Alfred, Lord Tennyson 3. Beethoven – Shane Koyczan + (Entire Syllabus of First Term)	Drama - Macbeth Act – IV, Scene III Act – V (All Scenes) PRISM: A Collection of ISC Short Stories 5. The Medicine Bag – Virginia Driving Hawk Sneve RHAPSODY: A Collection of ISC Poems 4. Small Towns and the River – Mamang Dai 5. Death be not Proud – John Donne + (Entire Syllabus of First & Second Term)	
Subject: English Language		Book Name: Total English ISC Class XII - Morning Star	
First Term	Second Term	Prelims	
1. Composition (Narrative, Descriptive, Reflective, Argumentary, Expository, Short Story) 2. Directed Writing - Article Writing, Film Review & Book Review, Review of Cultural Programme, Speech Writing, Newspaper Report Writing, Personal Profile & Statement of Purpose 3. Proposal Writing 4. Transformation of Sentences 5. Comprehension 6. Verbs 7. Prepositions 8. Tenses	1. Composition (Narrative, Descriptive, Reflective, Argumentary, Expository, Short Story) 2. Directed Writing - Article Writing, Film Review & Book Review, Review of Cultural Programme, Speech, Writing, Newspaper Report Writing, Personal Profile & Statement of Purpose 3. Proposal Writing 4. Transformation of Sentences 5. Comprehension 6. Verbs 7. Prepositions 8. Tenses	1. Composition (Narrative, Descriptive, Reflective, Argumentary, Expository, Short Story) 2. Directed Writing - Article Writing, Film Review & Book Review, Review of Cultural Programme, Speech Writing, Newspaper Report Writing, Personal Profile & Statement of Purpose 3. Proposal Writing 4. Transformation of Sentences 5. Comprehension 6. Verbs 7. Prepositions 8. Tenses	

First Term	Second Term	Prelims
<p>PART - A UNIT - I Relations and Functions Ch.1 Relations Ch.2 Functions Ch.4 Inverse Trigonometric Functions</p> <p>UNIT - II Algebra Ch.5 Matrices Ch.6 Determinants Ch.7 Applications of Matrices and Determinants</p>	<p>SECTION- A UNIT - III Calculus Ch.8 Continuity and Differentiability Ch.9 Differentiation Ch.10 Mean Value Theorems Ch.11 Indeterminate Forms Ch.14 Indefinite Integration</p> <p>PART - B UNIT - V Vectors Ch.18 Vectors</p> <p>UNIT - VI Three-Dimensional Geometry Ch.19 Three-Dimensional Geometry - I Ch.20 Three-Dimensional Geometry - II</p> <p>UNIT - VII Applications of Integrals Ch.21 Applications of Integration</p> <p>PART - C UNIT - VIII Application of Calculus Ch.22 Application of Calculus in Commerce & Economics</p> <p>UNIT - IX Linear Regression Ch.23 Linear Regression</p> <p>UNIT - X Linear Programming Ch.24 Linear Programming</p> <p style="text-align: center;">+</p> <p style="text-align: center;">(Syllabus of First Term)</p>	<p>UNIT - III Calculus Ch.12 Applications of Derivatives - I Ch.13 Applications of Derivatives - II Ch.15 Definite Integration Ch.16 Differential Equations</p> <p>UNIT - IV Probability Ch.17 Probability</p> <p style="text-align: center;">+</p> <p style="text-align: center;">(Entire Syllabus of First & Second Term)</p>

Subject: Physics			Book name: Sri Balaji ISC Physics XII Dr. D.K.Tyagi
First term	Second term	Prelims	
Unit-1 Electrostatics Unit-2 Current Electricity	Unit-3 Magnetic Effects of Current and Magnetism Unit-4 Electromagnetic Induction and Alternating Currents + (Entire Syllabus of First Term)	Unit-5 Electromagnetic Waves Unit-6 Optics Unit-7 Dual Nature of Radiation and Matter Unit-8 Atoms and Nuclei Unit-9 Electronic Devices + (Entire Syllabus of First and Second Term)	
Subject: Chemistry			Book Name: Nootan ISC Chemistry Class XII (Dr. H.C. Srivastava)
First Term	Second Term	Prelims	
Ch.2 Solutions Ch.10 Haloalkanes and Haloarenes Ch.11 Alcohols, Phenols and Ethers Ch.14 Biomolecules	Ch.3 Electrochemistry Ch.12 Aldehydes, Ketones and Carboxylic Acids Ch.13 Organic Compounds containing Nitrogen + (Entire Syllabus of First Term)	Ch.4 Chemical Kinetics Ch.8 d and f block Elements Ch.9 Coordination Compounds + (Entire Syllabus of First and Second Term)	
Subject: Biology			Book Name: Balaji Publications ISC Biology - Dr. S.C. Tripathi
First Term	Second Term	Prelims	
Unit 1 Reproduction 2. Sexual Reproduction in Flowering Plants 3. Human Reproduction 4. Reproductive Health Unit 2 Genetics and Evolution 5. Principles of Inheritance and Variation	Unit 2 Genetics and Evolution 6. Molecular Basis of Inheritance 7. Origin of Life 8. Evolution 9. Evolution of Man Unit 3 Biology and Human Welfare 10. Human Health and Diseases 12. Microbes in Human Welfare + (Entire Syllabus of First Term)	Unit 4. Biotechnology and its Applications 13. Biotechnology - Principles and Processes 14. Biotechnology and its Applications Unit 5. Ecology and Environment 15. Organisms and Populations 16. Ecosystem 17. Biodiversity and its Conservation + (Entire Syllabus of First and Second Term)	
Subject: Computer Science			Book Name: Computer Science with JAVA - Class XII - Sumita Arora
First Term	Second Term	Prelims	
Ch.1 Boolean Algebra Ch.2 Computer Hardware Ch.3 Object and Classes Ch.4 Java Revision Tour Ch.5 Primitive Values, Types Casting and Expressions	Ch.6 Statements, Control Structures and Scope Ch.7 Functions/Methods Ch.8 Arrays and Strings Ch.9 Compiling & Running Java Programs Ch.10 Java Classes: An OOP Perspective + (Entire Syllabus of First Term)	Ch.11 Recursion Ch.12 Concept of Inheritance Ch.13 Simple Data Structures Ch.14 Recursive Data Structures Ch.15 Computational Complexity (Conceptual) + (Entire Syllabus of First and Second Term)	

Subject: Commerce		Book Name: S. Chand's ISC Commerce-Dr. C.B. Gupta
First Term	Second Term	Prelims
Ch.1 Business Environment Ch.2 Capital-Fixed and Working Ch.3 Sources of Finance for a Joint Stock Company Ch.4 Banking – Latest Trends Ch.5 Management – Meaning, Nature and Importance	Ch.6 Principles of Management Ch.7 Functions of Management and Coordination Ch.8 Planning Ch.9 Organising Ch.10 Staffing + (Entire Syllabus of First Term)	Ch.11 Directing Ch.12 Controlling Ch.13 Marketing – Concept and Functions Ch.14 Marketing Mix Ch.15 Consumer Protection + (Entire Syllabus of First and Second Term)
Subject: Economics		Book Name: Frank ISC Economics - D.K. Sethi, U. Andrews
First Term	Second Term	Prelims
Ch.2 Demand and Law of Demand Ch.3 Theory of Consumer Behaviour: Marginal Utility and Indifference Curve Analysis Ch.4 Elasticity of Demand Ch.5 Supply – Law of Supply and Price Elasticity of Supply Ch.6 Market Mechanism: Equilibrium Price and Quantity in a Competitive Market	Ch.7 Laws of Returns – Returns to a Factor and Returns to Scale Ch.8 Cost and Revenue Analysis Ch.9 Forms of Market Ch.10 Producer's Equilibrium Ch.11 Determination of Equilibrium Price and Output Under Perfect Competition Ch.12 Theory of Income and Employment Ch.13 Money: Meaning and Functions Ch.14 Banks: Commercial Bank and Central Bank + (Entire Syllabus of First Term)	Ch.15 Balance of Payments and Exchange Rate Ch.16 Fiscal Policy Ch.17 Government Budget Ch.18 National Income and Circular Flow of Income Ch.19 National Income Aggregates Ch.20 Methods of Measuring National Income + (Entire Syllabus of First & Second Term)
Subject: Accounts		Book Name: New ISC Accountancy D.K. Goel (Arya Publications)
First Term	Second Term	Prelims
I. Partnership Accounts A. Fundamentals of Partnership B. Goodwill C. Reconstitution of Partnership I. Admission II. Retirement and Death of a Partner	1. Partnership Accounts III. Dissolution of a Partnership Firm 2. Joint Stock Company Accounts A. Issue of Shares B. Issue of Debentures C. Redemption of Debentures D. Final Accounts of Companies + (Entire Syllabus of First Term)	3. Financial Statement Analysis 4. Cash Flow Statement (Only for Manufacturing Companies) 5. Ratio Analysis + (Entire Syllabus of First and Second Term)

Subject: Physical Education		Book Name: Saraswati Physical Education - Dr. V. K. Sharma
First Term	Second Term	Prelims
<p>SECTION – A</p> <ol style="list-style-type: none"> Sociological Aspects of Physical Education Training Methods Career Aspects in Physical Education <p>SECTION – B</p> <ol style="list-style-type: none"> Athletics Badminton Basketball Cricket <p>PRACTICAL WORK</p> <p>File work of any two game Physical Efficiency Tests Voice-voce (on any two game/activities chosen by students)</p>	<p>SECTION – A</p> <ol style="list-style-type: none"> Competitions and Tournaments Health Education & Health Problems Sports Injuries and First Aid <p>SECTION - B</p> <ol style="list-style-type: none"> Football Hockey Swimming Tennis Volleyball <p>PRACTICAL WORK</p> <p>File work Physical Efficiency Tests Specialisation Tests Viva-voce (On any two game/activities chosen by students)</p> <p style="text-align: center;">+</p> <p style="text-align: center;">(Entire Syllabus of First Term)</p>	<p>(Entire Syllabus of First & Second Term)</p>
Subject: Music		Book Name: Introduction of Raags: Part II
First Term	Second Term	Prelims
<p><u>THEORY</u></p> <p>Ch.1 Musical Terms and Forms</p> <ol style="list-style-type: none"> Naad - Meaning, Origin, Types (Aahat, anahat) and qualities (Volume, Pitch and timber). Raga- Types of Raga, Poorva, Uttar, Sandhi prakash, Shudha, Chhayala, Sankirna (Meaning and examples) Forms of Composition Dhrupad, Dhamar Origin, Development and Characteristics to be done in detail. Meend, Andolan, Gamak, Kan, Alaap, Taan. Meaning uses with examples wherever applicable. 	<p><u>THEORY</u></p> <p>Ch.6 Laya - Definition of Laya and its types - Vilambit, Madhya and Drut.</p> <p>Ch.7 Raga</p> <ol style="list-style-type: none"> Malkauns Kafi <p>Ch.8 Notation of Taal</p> <ol style="list-style-type: none"> Chartaal <p>Ch.9 Notation of Bandish (Chhota Khayal and Bada Khayal)</p> <ol style="list-style-type: none"> Chhota Khayal – Kafi, Malkauns Bada Khayal – Malkauns. 	<p>(Entire Syllabus of First & Second Term)</p>

Ch.2 System of Indian Classical Music

- (i) Hindustani and Caranatic Music- comparative study with reference to technique of usage, Swar, Taal, composition, instruments used and language.

Ch.3 Placement of Swars on 22 Shruti

- (i) Ancient and Modern Methods of Placement of seven swaras amongst Shruti.

Ch.4 “Thaats” of Bhatkhande

- 10 Thaats with names, swar, sign and basic rules.

Ch.5 Vadi Swar Time of Raga -

- Relationship between Vadi swar and time of raga, purvang uttarang of day and saptak.

Ch.7 Raga

- (i) Bihag (ii) Bageshwari (iii) Bhairavi

Ch.8 Notation of Taal

- (i) Dhamar (ii) Ektaal (iii) Roopak

Ch.9 Notation of Bandish (Chhota Khayal and Bada

- Khayal) Chhota khayal in Bihag, Bageshwari, kafi

Ch.11 Eminent Musicians of Hindustani Music

- (i) Pt. Ravi Shankar

Ch.11 (Essay) Topics of general Interest related to music (200 words).

Ch. 13 Brief History and Knowledge of Tanpura.

- Drawing and labelling with description and tuning.

PRACTICAL

1. 10 Alankar

2. Raag

- (i) Bihag (ii) Bageshwari (iii) Bhairavi

3. Notation of Taal

- (i) Dhamar (ii) Ektaal (iii) Chartaal

4. One Bhajan

Ch.10 Classification of Indian Musical Instruments

- Tat, Sushir, Avanada, Ghan

Ch.11 Eminent Musicians of Hindustani Music

- (ii) Pt. Bhimsen Joshi

Ch.12 (Essay) Topic of general interest related to Music

- (200 words)

PRACTICAL

1.10 Alankar

2. Raag

- (iv) Malkauns (Bada khayal)

- (v) Kafi

3. Notation of Taal

- (iv) Rupak

5. One Folk

+

(Entire Syllabus of First Term)

Subject: Hindi

**Book Name: काव्यमंजरी गद्य संकलन सारा आकाश
व्याकरण – पाठ्य सामग्री एवं अभ्यास कार्य**

First Term	Second Term	Prelims
<p>(काव्य मंजरी) पाठ 1 साखी – कबीरदास पाठ 2 बाल लीला – सूरदास पाठ 3 एक फूल की चाह – सियाराम शरण गुप्त</p> <p>(गद्य संकलन) पाठ 1 पुत्र प्रेम – प्रेमचन्द्र पाठ 2 गौरी – सुभद्रा कुमारी चौहान पाठ 3 शरणागत – वृंदावन लाल वर्मा</p> <p>(सारा आकाश) (उत्तरार्ध) अंक 1, 2, 3</p> <p>(व्याकरण) निबन्ध लेखन कहानी लेखन, अपठित गद्यांश अशुद्ध वाक्यो का संशोधन मुहावरे तथा लोकोक्तियाँ वाक्य रचना</p>	<p>(काव्य मंजरी) पाठ 4 आ: धरती कितना देती है – सुमित्रा नन्दन पन्त पाठ 5 नदी के द्वीप – अज्ञेय पाठ 6 तुलसीदास के पद – तुलसीदास</p> <p>(गद्य संकलन) पाठ 4 सती – शिवानी पाठ 5 आउट साइडर – मालती जोशी पाठ 6 दासी – जयशंकर प्रसाद</p> <p>(सारा आकाश) अंक 4, 5, 6</p> <p>(व्याकरण) निबन्ध लेखन कहानी लेखन, अपठित गद्यांश अशुद्ध वाक्यो का संशोधन मुहावरे तथा लोकोक्तियाँ वाक्य रचना</p> <p style="text-align: center;">+</p> <p style="text-align: center;">(Entire Syllabus of First Term)</p>	<p>(काव्य मंजरी) पाठ 7 जाग तुझको दूर जाना है – महादेवी वर्मा पाठ 8 उद्मयी नर – रामधारी सिंह दिनकर पाठ 9 बादल को घिरते देखा – नागार्जुन पाठ 10 अँधेरे का दीपक – हरिवंशराय बच्चन</p> <p>(गद्य संकलन) पाठ 7 क्या निराश हुआ जाए – हजारी प्रसाद द्विवेदी पाठ 8 भक्तिन – महादेवी वर्मा पाठ 9 संस्कृति क्या है? – रामधारी सिंह दिनकर पाठ 10 मजबूरी – मन्नू भंडारी</p> <p>(सारा आकाश) अंक 7, 8, 9, 10</p> <p>(व्याकरण) निबन्ध लेखन कहानी लेखन, अपठित गद्यांश अशुद्ध वाक्यो का संशोधन मुहावरे तथा लोकोक्तियाँ वाक्य रचना</p> <p style="text-align: center;">+</p> <p style="text-align: center;">(Entire Syllabus of First & Second Term)</p>