

VIVEKANANDA VIDYA MANDIR, Sec. II, Dhurwa, Ranchi-4

CONCISE SYLLABUS OF CLASS - XII FOR THE SESSION 2019-20

Subject/ Month	1 st Unit Test (30 Marks) April 2019 to June 2019	2 nd Unit Test (30 Marks) June 2019 to Aug. 2019	Half Yearly Exam (100 Marks) April 2019 to Sep. 2019	3 rd Unit Test (30 Marks) Oct. 2019 to Nov. 2019	Mock Examination April 2018 to Dec. 2018 Pre Board Examination April 2019 to Jan. 2020
English (301)	1. Reading Section (Comprehension passage on comprehension passage). 2. Writing Section (Notice, Advertisements, Letter to Editor, Job Application, Speech 3. Literature Section Vistas a. The Third Level b. The Tiger King c. Journey to the End of the Earth Flamingo a. The Last Lesson b. Lost Spring c. Deep Water Poetry a. My mother at sixty six b. An Elementary School Classroom in a Slum. c. Keeping Quiet	1. Reading Section: (Comprehension passage and Note-Making) 2. Writing Section: (Invitation – formal and informal, official letters – making enquiries, asking for information, placing orders, letter of complaints etc.) Article, Speech. 3. Literature Vistas a. The Enemy b. Should Wizard Hit Mommy c. On the face of it Flamingo a. The Rattrap b. Indigo Poetry a. A thing of Beauty	All the syllabus given till August Literature a. Poets and Pancakes Writing Section a. Report b. Debate	Reading Sections: Comprehension Passage and Note Making. Writing Section Poster, Official Letters, Letters of job application, Speech, Debate, Article, Report Literature Vistas a. Evans Tries an O-Level b. Memories of Childhood Flamingo a. The Interview b. Going Places Poetry a. A Roadside stand b. Aunt Jennifer's Tigers	All syllabus of Reading Section, Writing Section and Literature Section + Assessment of Listening and Speaking Skills (ASL) Pre-Board Examination: All syllabus of Reading Section, Writing Section and Literature Section

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Maths (041)	1. Matrices 2. Determinants 3. Relations and Functions 4. Inverse Trigonometric Functions	Continuity and Differentiability; Differentiations – Exponential and Logarithmic Functions, Logarithmic Differentiation, Derivatives of Functions in Parametric Forms, Second Order Derivatives, Mean Value Theorem	1. Relations and Functions 2. Inverse Trigonometric Functions 3. Matrices 4. Determinants 5. Continuity and Differentiability 6. Application of Derivatives 7. Indefinite Integrals	1. Definite Integrals 2. Area Bounded by Curves 3. Differential Equations 4. Vector 5. 3D – Geometry 6. Probability 7. L.P.P. (Linear Programming Program)	1. Relations and Functions 2. Inverse Trigonometric Function 3. Matrices 4. Determinants 5. Continuity and Differentiability 6. Application of Derivatives 7. Integrals 8. Application of Integrals 9. Differential Equations 10. Vector Algebra 11. Three Dimensional Geometry 12. Linear Programming Problem 13. Probability Pre-Board Examination --Do--
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Physics (042)	Unit-I Electrostatics Ch. 1: Electric Charges and Field Ch. 2: Electrostatic potential and capacitance. Unit-II Current Electricity Ch. 3: Current Electricity	Unit-III Magnetic effects of Current and Magnetism Ch 4: Moving Charges and Magnetism Ch. 5: Magnetism and Matter	Unit-I: Electrostatics – Ch. 1, 2 Unit-II: Current Electricity – Ch. 3 Unit III: Magnetic effects of current and magnetism – Ch. 4, 5 Unit IV: Electromagnetic Induction and alternating current – Ch. 6, 7 Unit V: Electromagnetic waves – Ch. 8 Unit VI: Optics – Ch. 9 Ray Optics	Unit VI: Optics Contd. Wave Optics – Ch. 10 Unit VII: Dual nature of Radiation and matter – Ch. 11 Unit VIII: Atoms and nuclei Ch. 12: Atoms Ch. 13: Nuclei Unit IX: Electronic Device Ch. 14: Semiconductor electronics Revision	Whole syllabus Unit I to Unit IX Pre-Board: Whole Syllabus Unit I to Unit IX

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Chemistry (042)	Unit II: Solutions Unit III: Electro Chemistry	Unit IV: Chemical Kinetics Unit V: Surface Chemistry	Unit II: Solutions Unit III: Electrochemistry Unit IV: Chemical Kinetics Unit V: Surface Chemistry Unit X: Haloalkanes & Haloenes Unit XI: Alcohols, Phenols & Ethers Unit XII: Aldehydes, Ketones & Carboxylic acids. Unit XIII: Amines	Unit VI: General Principles and Processes of Isolation of Elements Unit IX: Co-ordination Compounds	Unit II: Solutions Unit III: Electrochemistry Unit IV: Chemical Kinetics Unit V: Surface Chemistry Unit VI: General Principles and Processes of Isolation of Elements Unit VII: P-Block (Group 16, 17, 18) Unit IX: Co-ordination Compounds Unit X: Haloalkanes & Haloenes Unit XI: Alcohols, Phenols & Ethers Unit XII: Aldehydes, Ketones & Carboxylic acids. Unit XIII: Amines Unit XIV: Bio-molecules Unit XV: Polymers Unit XVI: Chemistry in everyday life Pre-Board: --Do--
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Biology (043)	1. Reproduction in organism 2. Sexual reproduction in flowering plants 3. Human reproduction 4. Reproductive health 5. Principles of inheritance & variation 6. Molecular basis of inheritance 7. Evolution	Unit VII: Genetics and Evolution	Unit VI: Reproduction Unit VII: Genetics & evolution	Unit VIII: Biology in human welfare	Full Syllabus Pre-Board: Full Syllabus

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PHE (048)	Ch. 1: Planning in Sports a. Objectives of Planning b. Formation of Committee c. Formation of Committee d. Tournament (Knockout, League, Combination) e. Intramural & Extramural f. Specific sports programe Ch. 2: Sports and Nutrition a. Balance diet b. Elements of diet (Macro & Micro) c. Eating for weight control d. PA fulls of dieting e. Food myths f. Food Intolerance g. Food Intake (Pre, during, Post Competition) h. Food supplement for children	Ch. III: Yoga and Lifestyle Asanas as Preventive Measures, Obesity, Diabetes, Asthema, Hypertension (Procedure, Benefits Contraindication of Asanas) Ch. IV: Physical Education and CWSN (Children with Special Need) a. Concept of disability & disorder b. Types of Disability, Dts causes & Nature (Cognitive, Intellectual and Physical Disability) c. ADHD, SPD, ASD, ODD, OCD d. Disability Etiquattes e. Advantges and strategies to physical activities, assessable for CWSN	Ch. I: Planning and Sports Ch. II: Sports & Nutrition Ch. III: Yoga & Lifestyle Ch. IV: Physical Education & CWSN Ch. V: Childrens & Women in Sports a. Motor development & factor affecting b. Exercise guidelines at different stage c. Common postural deformities kneck knee, flat foot, round shoulder, lordesis kyphosis scoliosis, bow legs & corrective messures d. Sports Participation of women in India e. Monarch & Menstrual Disfunction f. Oestoporosis, Amenoria, Eating Disorders Ch. VI: Test & Measurement in Sports a. Motor fitness Test-AAPHER b. General jmotor ability Test (Borrow 3 item test) c. Harvard step Test d. Rikli & Jones Senior Citizen Fitness Test e. Sit & Reach Test f. 50 mt. standing start g. Partial curl up h. Push up boy, Modified pushup girls	Ch. VII: Physiology and Injuries in Sports a. Components of Physical Fitness b. Effects of exercise on Cardio Respiratory system & Muscular system c. Physiological changes due to ageing d. Sports injuries (soft tissue injuries Bone & joint injuries) e. First Aid-Aims & Objectives Ch. VIII: Biomechanics & Sports a. Meaning & Importance of Biomechanics b. Types of Movement c. Newton's Laws of motion & application d. Friction	Ch. I, II, III, IV, V, VI, VII Ch. IX Psychology & Sports Ch. X Training in Sports Pre-Board: Whole Syllabus

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Computer Science (083)	<p>Unit IV: Boolean Algebra Boolean Operators AND, OR, NOT, TRUTH TABLES, Laws of Boolean Algebra, Obtaining Sum of Product and Product of Sum, Reducing SOP, POS, Karnaugh Map for minimisation of Boolean expression upto 4 Variables, Digital electronic circuit design using Logic gates NOT, AND, OR, NAND, NOR</p> <p>Unit I: Object Oriented Programming Structure, #define, typedef, random function Object Oriented Programming: Introduction & characteristics, OOP Concept Encapsulation, Abstraction, Data Hiding, Inheritance, Class and Object, Polymorphism. Definition & Concept of function overloading Introduction to class and object. Arrays: Address calculation in 2D arrays, Functions of 1-D array and 2-D arrays.</p>	<p>Ch. 1: Database Concepts Ch. 2: Structured Query Language Ch. 3: Object Oriented Programming Ch. 4: Function overloading Ch. 5: Class and Object Ch. 6: Constructor – Destructor Ch. 7: Inheritance Ch. 8: Arrays</p>	<p>Unit IV: Boolean Algebra Unit III: Databases and SQL Relation Data Model: Concept of domain, tuple, relation, key, primary key, alternate key, candidate key Relational Algebra: Selection, Projection, Union and Cartesian product. DDL, DML, SQL Commands – CREATE, DROP, ALTER, UPDATE, SET, INSERT, DELETE, SELECT DISTINCT, FROM, WHERE, IN, BETWEEN, GROUP BY, HAVING, ORDER BY, SQL Functions</p> <p>Unit I: Revision of CII (Class XI) Identifier, keywords, data type, type casting, type promotion, header file, library functions and user defined functions. Object Oriented Programming Class and Object Constructor – destructor Inheritance Pointers</p> <p>Unit II: ARRAY & STACKS</p>	<p>Unit I: Object Oriented Programming Data file handling</p> <p>Unit II: Data Structures Stacks and Queues</p> <p>Unit III: Databases and SQL Relational algebra SQL Commands</p> <p>Unit V: Communication Technology, Evolution of Networking, Data Communication terminologies Transmission media Network Topologies & Types</p>	<p>Unit III: Data base and SQL Unit IV: Boolean Algebra Unit V: Communication Technologies Data communication terminologies, Transmission media, Network devices, Network Topologies, Protocol, Mobile Telecommunication, Network Security Concepts, Introduction to Web Services Unit I: Object Oriented Programming Unit II: Data Structure</p> <p>Pre-Board: Unit I: Object Oriented Programming on C++ Unit II: Data Structure Unit III: Databases and SQL Unit IV : Boolean Algebra Unit V: Communication Technologies</p>

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Accountancy	<p>Ch 1: Accounting for Not for Profit Organisation</p> <ol style="list-style-type: none"> Meaning and Characteristics Accounting records of not for profit organization Receipt and Payment A/c Income Expenditure A/c Balance Sheet Some Peculiar items Income & Expenditure A/c based on Trial Balance Incidental Trading Activity <p>Ch. 2: Accounting for Partnerships: Basic Concepts</p> <ol style="list-style-type: none"> Nature of Partnership Partnership Deed Special Aspects of Partnership Accounts Maintenance of Capital Accounts of Partners Distribution of Profit among Partners Guarantee of Profit to a partner Past adjustments 	<p>Ch. 3: Reconstitution of a partnership firm – Admission of a partner</p> <ol style="list-style-type: none"> Modes of Reconstitution of a partnership firms Admission of a New Partner New Profit Sharing Ratio Sacrificing ratio Goodwill Adjustment of accumulated profits and losses Revaluation of Assets & Reassessment of Liabilities Adjustment of capitals Change in Profit sharing ratio among the existing partners. 	<p>Ch. 4: Reconstitution of a Partnership Firm – Retirement/Death of a Partner</p> <ol style="list-style-type: none"> Ascending the exit due to Retiring/Deceased partner New profit sharing ratio Gaining ratio Treatment of Goodwill Adjustment for Revolution of Assets & Liabilities Adjustment of Accumulated profits & losses Disposal of Amount due to Retiring Partner. Adjustment of partners capital Death of a partner <p>Ch. 5 Dissolution of Partnership Firm:</p> <ol style="list-style-type: none"> Dissolution of Partnership Dissolution of a firm Settlement of Accounts Accounting Treatment <p>Including Syllabus of Unit Test I and Unit Test II</p>	<p>Company Accounts</p> <p>Ch. 1: Accounting for share capital</p> <ol style="list-style-type: none"> Introduction Issue of Equity & preference shares Over subscription & under subscription Issue at par, premium, call in Arrears & calls in advance (Excluding Internet) Issue of shares for consideration other than cash. Private placement and employee stock option plan (ESOP) Accounting Treatment of forfeiture & reissue of shares Disclosure of share capital in Balance Sheet. <p>Ch. 2: Issue and Redemption of Debentures</p> <ol style="list-style-type: none"> Issue of Debentures at par, premium & Discount, issue of debentures for consideration other than cash. Issue of Debentures with terms of redemption. Issue of debentures as collateral security interest on debentures, writing off discount/Loss on issue of Debentures. Redemption of debentures – Methods: Lumpsum, draw off lots. Creation of Debenture Redemption Reserve 	<p>Ch 3: Financial statements of a company</p> <ol style="list-style-type: none"> Meaning Nature Objectives, Types, uses importance of limitations <p>Ch. 4: Analysis of Financial Statements</p> <ol style="list-style-type: none"> Comparative statements Common size statements Cash How analysis, ratio analysis <p>Ch. 5: Accounting Ratio</p> <ol style="list-style-type: none"> Meaning, Objective Liquidity Ratios, Solvency Ratios, Activity Ratios, Profitability Ratios <p>Ch. 6: Cash Flow Statement: Meaning, Objectives & Preparation</p> <p>Pre-Board: (as per as 3 Revised \indirect method) (Including syllabus of half yearly and 3rd Unit Test Full Syllabus</p>

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B.St.	L. 1: Nature & Significance of Management L. 2 : Principles of Management	L. 5: Organising L. 6: Staffing	L. 1: Nature & Significance of Management L. 2: Principles of Management L. 3: Business Environment L. 4: Planning L. 5: Organising L. 6: Staffing L. 7: Directing L. 8: Controlling	L. 9: Financial Management L. 10: Marketing	L. 1: Nature & Significance of Management L. 2: Principles of Management L. 3: Business Environment L. 4: Planning L. 5: Organising L. 6: Staffing L. 7: Directing L. 8: Controlling L. 9: Financial Management L. 10: Marketing L. 11: Marketing Management L. 12: Consumer's Protection Act 1986 Pre-Board: --Do--
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Economics	Macroeconomics Ch 7: Aggregate Demand and Related Concepts Ch. 8: Income Determination and Multiplier Ch. 9: Excess Demand and Deficient Demand Indian Economic Development Ch. 1: Indian Economy on the Eve of Independence Ch. 2: Five Year Plans in India: Goals and Achievements	Macroeconomics Ch 1: Circular Flow of Income Ch 2: Basic Concepts of Macroeconomics Ch 3: National Income of Related Aggregates Ch 4: Measurement of National Income Indian Economics Development Ch 3: Features, Problems and Policies of Agriculture Ch 4: Strategy of Industrial Growth (1947 – 1990)	Macroeconomics Ch 5: Money Ch 6: Banking: Commercial Bank and the Central Bank Indian Economics Development Ch. 5: India's Foreign Trade Ch. 6: Economic Reforms since 1991 or New Economic Policy	Macroeconomics Ch. 10: Government Budget and the Economy Ch. 11: Foreign Exchange Rate Indian Economic Development Ch. 7: Poverty Ch. 8: Human Capital Formation in India Ch. 9: Rural Development Ch. 10: Employment and Unemployment	Macroeconomics Ch.12: Balance of Payments Indian Economic Development Ch. 11: Infrastructure Ch. 12: Environment and Sustainable Development Ch. 13: Development Experience of India, Pakistan and China – A Comparative Study Pre-Board: Revision and Set Practice

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Hindi	<p>पुस्तक आरोह कविता 1. पाठ 1. आत्म परिचय, एक गीत 2. पाठ 2. पतंग</p> <p>कहानी 3. पाठ 11. भक्तितन पाठ 12. बाजार दर्शन</p> <p>पुस्तक वितान 4. पाठ 2. जूझ 5. पत्र 6. अभिव्यक्ति और माध्यम पुस्तक से।</p>	<p>आरोह कविता 1. पाठ 3. क. कविता के बहारे, ख. बात सीधी थी पर। 2. पाठ 4. कैमरे में बंद अपाहिज</p> <p>कहानी 3. पाठ 13. काले मेघा पानी दे। पाठ 14. पहलवान की ढोलक</p> <p>4. पत्र 5. अभिव्यक्ति और माध्यम पुस्तक से 6. अनुच्छेद लेखन। वितान 7. पाठ 1. सिल्वर वैडिंग</p>	<p>आरोह कविता 1. पाठ – 1, 2, 3, 4 पाठ 1. आत्मपरिचय, एक गीत पाठ 2. पतंग पाठ 3. कविता के बहाने, बात सीधी थी पर पाठ 4. कैमरे में बंद अपाहिज।</p> <p>कहानी 2. पाठ 11. भक्तितन पाठ 12. बाजार दर्शन पाठ 13. काले मेघा पानी दे पाठ 14. पहलवान की ढोलक</p> <p>3. वितान पाठ 1. सिल्वर वैडिंग पाठ 2. जूझ</p> <p>4. पत्र 5. अभिव्यक्ति और माध्यम पुस्तक से 6. आलेख लेखन 7. अनुच्छेद लेखन 8. फीचर लेखन</p>	<p>आरोह 1. कविता पाठ 5. सहर्ष स्वीकारा है। पाठ 6. उषा</p> <p>2. कहानी पाठ 15. चार्ली चैप्लिन यानी हमस ब पाठ 16. नमक</p> <p>3. वितान पाठ 3. अतीत में दबे पाँव</p> <p>4. पत्र 5. अभिव्यक्ति और माध्यम पुस्तक से। 6. रिपोर्ट लेखन 7. पुस्तक की समीक्षा 8. फीचर</p>	<p>आरोह 1. कविता पाठ 1. आत्म परिचय, एक गीत पाठ 2. पतंग पाठ 3. कविता के बहारे, बात सीधी थी पर पाठ 4. कैमरे में बंद अपाहिज पाठ 5. सहर्ष स्वीकारा है। पाठ 6. उषा पाठ 8. कवितावली, लक्ष्मण-मूर्च्छा और राम विलाप पाठ 9. रुबाइयों, गजल पाठ 10. छोटा मेरा खेत, बगुलों के पंख।</p> <p>2. कहानी पाठ 11. भक्तितन पाठ 12. बाजार दर्शन पाठ 13. काले मेघा पानी दे पाठ 14. पहलवान की ढोलक पाठ 15. चार्ली चैप्लिन यानी हम सब। पाठ 16. नमक पाठ 17. शिरीष के फूल पाठ 18. श्रम विभाजन और जाति प्रथा, मेरी कल्पना का आदर्श समाज।</p> <p>3. वितान पाठ 1. सिल्वर वैडिंग पाठ 2. जूझ पाठ 3. अतीत में दबे पाँव पाठ 4. डायरी के पन्ने।</p> <p>4. पत्र 5. अनुच्छेद लेखन</p>

				<p>6. अभिव्यक्ति और माध्यम पुस्तक से</p> <p>7. फीचर लेखन</p> <p>8. आलेख लेखन</p> <p>9. पुस्तक की समीक्षा</p> <p>10. रिपोर्ट लेखन</p> <p>Pre-Board</p> <p>--Do--</p>
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