

CHINMAYA VIDYALAYA
CLASS XII
SYLLABUS BREAKUP 2020-21

MATHEMATICS

S.NO.	MONTH	CHAPTERS
1	MARCH - APRIL	<ul style="list-style-type: none"> • RELATIONS AND FUNCTIONS • MATRICES
2	MAY	<ul style="list-style-type: none"> • INVERSE TRIGONOMETRIC FUNCTIONS • DETERMINANTS • CONTINUITY AND DIFFERENTIABILITY
3	JULY	<ul style="list-style-type: none"> • APPLICATIONS OF DERIVATIVES • INTEGRALS
4	AUGUST	<ul style="list-style-type: none"> • APPLICATIONS OF THE INTEGRALS • DIFFERENTIAL EQUATIONS
5	SEPTEMBER	<ul style="list-style-type: none"> • VECTORS • THREE - DIMENSIONAL GEOMETRY
6	OCTOBER	<ul style="list-style-type: none"> • THREE - DIMENSIONAL GEOMETRY(CONTINUED) • LINEAR PROGRAMMING
7	NOVEMBER	<ul style="list-style-type: none"> • PROBABILITY

PHYSICS

S.NO.	MONTH	CHAPTERS
1	APRIL	<ul style="list-style-type: none"> • ELECTROSTATICS
2	MAY	<ul style="list-style-type: none"> • ELECTROSTATICS
3	JULY	<ul style="list-style-type: none"> • CURRENT AND ELECTRICITY ,MAGNETISM
4	AUGUST	<ul style="list-style-type: none"> • EMI AND AC
5	SEPTEMBER	<ul style="list-style-type: none"> • EMW, OPTICS
6	OCTOBER	<ul style="list-style-type: none"> • OPTICS,DUAL NATURE ATOMS AND NUCLEI
7	NOVEMBER	<ul style="list-style-type: none"> • SEMI CONDUCTERS AND

CHEMISTRY

S.NO.	MONTH	CHAPTERS
1	APRIL-MAY	<ul style="list-style-type: none">• UNIT 2 - SOLUTIONS• UNIT 10- HALOALKANES AND HALOARENES• UNIT 5- SURFACE CHEMISTRY
2	JULY	<ul style="list-style-type: none">• UNIT 11- ALCOHOLS,PHENOLS AND ETHERS• UNIT 12- ALDEHYDES,KETONES AND CARBOXYLIC ACIDS
3	AUGUST- SEPTEMBER	<ul style="list-style-type: none">• UNIT 3- ELECTROCHEMISTRY• UNIT 4-CHEMICAL KINETICS• UNIT 13- ORGANIC COMPOUNDS CONTAINING NITROGEN
4	OCTOBER	<ul style="list-style-type: none">• UNIT 7- p BLOCK ELEMENTS• UNIT 8- d BLOCK ELEMENTS• UNIT 9- COORDINATION COMPOUNDS
5	NOVEMBER	<ul style="list-style-type: none">• UNIT 14- BIOMOLECULES• UNIT 1- SOLID STATE
6	DECEMBER	<ul style="list-style-type: none">• PRE-BOARDS EXAMINATION
7	JANUARY	<ul style="list-style-type: none">• BOARD PRACTICAL EXAMINATION

BIOLOGY

S.NO.	MONTH	CHAPTERS
1	APRIL	<ul style="list-style-type: none">• Sexual Reproduction in Flowering Plants• Human Reproduction
2	MAY	<ul style="list-style-type: none">• Reproductive Health• Principles of Inheritance
3	JULY	<ul style="list-style-type: none">• Principles of Inheritance contd.• Molecular Basis of Inheritance
4	AUGUST	<ul style="list-style-type: none">• Molecular Basis of Inheritance contd.• Biotechnology Principles and Processes
5	SEPTEMBER	<ul style="list-style-type: none">• Biotechnology and its Applications• Human Health and Diseases
6	OCTOBER	<ul style="list-style-type: none">• Microbes in Human Welfare• Organisms and Population
7	NOVEMBER	<ul style="list-style-type: none">• Biodiversity and Conservation

COMPUTER SCIENCE

S.NO.	MONTH	CHAPTERS
1	APRIL	<ul style="list-style-type: none">• Revision of Python Basics• Introduction To Modules and User defined Functions
2	MAY	<ul style="list-style-type: none">• Functions
3	JULY	<ul style="list-style-type: none">• Data File Handling
4	AUGUST	<ul style="list-style-type: none">• Using Python Libraries• SQL Aggregate Functions
5	SEPTEMBER	<ul style="list-style-type: none">• Interface Python with SQL
6	OCTOBER	<ul style="list-style-type: none">• Computer Networks -1
7	NOVEMBER	<ul style="list-style-type: none">• Computer Networks -2

ECONOMICS

S.NO.	MONTH	<u>CHAPTERS</u>
1	MARCH/ APRIL/ MAY	<p><u>MACRO ECONOMICS- Unit : Money and Banking</u> Money – its meaning and functions. Supply of money – Currency held by the public and net demand deposits held by commercial banks. Money creation by the commercial banking system. Central bank and its functions (example of the Reserve Bank of India) Bank of issue, Govt. Bank, Banker's Bank, <u>MACRO ECONOMICS- Unit : Government Budget and the Economy.</u> Government budget - meaning, objectives and components. Classification of receipts - revenue receipts and capital receipts; classification of expenditure – revenue expenditure and capital expenditure. Measures of government deficit - revenue deficit, fiscal deficit, primary deficit: their meaning. Fiscal Policy and its role (non-evaluative topic) <u>INDIAN ECONOMIC DEVELOPMENT-Unit 4: Development Experience (1947-90) and Economic Reforms since 1991.</u> A brief introduction of the state of Indian economy on the eve of independence. Common goals of Five Year Plans. Main features, problems and policies of agriculture (institutional aspects and new agricultural strategy, etc.), industry (industrial licensing, etc.) and foreign trade. Economic. Reforms since 1991: Need and main features - liberalization, globalization and privatization; An appraisal of LPG policies PROJECT WORK</p>
2	JULY	<p><u>MACRO ECONOMICS Unit : National Income and related aggregates</u> Some basic concepts: consumption goods, capital goods, final goods, intermediate goods; stocks and flows; gross investment and depreciation. Circular flow of income; Methods of calculating National Income – Value Added or Product method, Expenditure method, Income method. Aggregates related to National Income: Gross National Product (GNP), Net National Product (NNP), Gross and Net Domestic Product (GDP and NDP) - at market price, at factor cost; Real and Nominal GDP. GDP and Welfare PROJECT WORK</p>
3	AUGUST	<p><u>MACRO ECONOMICS Unit : Determination of Income and Employment</u> Aggregate demand and its components. Propensity to consume and propensity to save (average and marginal). Short–run equilibrium output; investment multiplier and its mechanism. Meaning of full employment and involuntary unemployment. Problems of excess demand and deficient demand; measures to correct them - change in government spending, taxes and money supply. Unit 9: Government Budget and the Economy <u>INDIAN ECONOMIC DEVELOPMENT-Unit : Current challenges facing Indian Economy</u></p>

		<p><u>Poverty</u>- absolute and relative; Main programmes for poverty alleviation: A critical assessment;</p> <p><u>Rural development</u>- Key issues - credit and marketing - role of cooperatives; agricultural diversification;</p> <p><u>PROJECT WORK</u></p>
4	SEPTEMBER	<p><u>INDIAN ECONOMIC DEVELOPMENT-Unit : Current challenges facing Indian Economy (Continued)</u></p> <p><u>Human Capital Formation</u>- How people become resource; Role of human capital in economic development.</p> <p><u>Infrastructure</u>- Meaning and Types: Case Studies: Health: Problems and Policies- A critical assessment</p> <p><u>PROJECT WORK</u></p>
5	OCTOBER	<p><u>INDIAN ECONOMIC DEVELOPMENT-Unit : Current challenges facing Indian Economy (Continued)</u></p> <p><u>Sustainable Economic Development</u>- Meaning, Effects of Economic Development on Resources and Environment, including global warming.</p> <p><u>MACRO ECONOMICS- Unit : Balance of Payments</u></p> <p>Balance of payments account - meaning and components</p> <p>Foreign Exchange Rate- meaning of fixed and flexible exchange rate and managed floating rate.</p> <p><u>COMPLETION OF PROJECT WORK</u></p>
6	NOVEMBER	<p><u>INDIAN ECONOMIC DEVELOPMENT-Unit : Development Experience of India.</u></p> <p>A comparison with neighbours India and Pakistan India and China Issues: growth, population, sectoral development and other developmental indicators</p>
7	DECEMBER	<p><u>PROFICIENCY / PRE-BOARDS EXAMINATION</u></p>
8	JANUARY	<p><u>PRE-BOARD PRACTICALS AND IMPROVEMENT EXAMINATIONS</u></p> <p><u>BOARD PRACTICAL EXAMINATIONS</u></p>

BUSSINESS STUDIES

S.NO.	MONTH	CHAPTERS
1	MARCH— JULY	<ul style="list-style-type: none">• (PART—II)• (BUSINESS FINANCE AND MARKETING)• MARKETING MANAGEMENT• FINANCIAL MARKET• CONSUMER PROTECTION• FINANCIAL MANAGEMENT• PROJECT WORK
2	AUGUST--- SEPTEMBER	<ul style="list-style-type: none">• (PART-I)• NATURE & SIGNIFICANCE OF MANAGEMENT• PRINCIPLES OF MANAGEMENT• BUSINESS ENVIRONMENT PLANNING• ORGANIZING
3	OCTOBER	<ul style="list-style-type: none">• STAFFING
4	NOVEMBER	<ul style="list-style-type: none">• DIRECTING AND CONTROLLING

ACCOUNTANCY

S.NO.	MONTH	CHAPTERS
1	MARCH-- AUGUST	(PART—I) <ul style="list-style-type: none">• ‘PARTNERSHIP ACCOUNTING’.
2	SEPTEMBER	<ul style="list-style-type: none">• ‘ACCOUNTING FOR SHARES AND DEBENTURES’
3	OCTOBER— NOVEMBER	(PART—II) <ul style="list-style-type: none">• FINANCIAL STATEMENTS ANALYSIS *PROJECT WORK

ENTREPRENEURSHIP

TERM – I

S.NO	MONTH	CHAPTERS
1	JULY	UNIT 2: ENTREPRENEURIAL PLANNING <ul style="list-style-type: none">• Forms of business entities- Sole Proprietorship, Partnership, Joint Stock Company- Meaning, characteristics and suitability.• Business Plan – Concept and format• Organizational Plan• Operational Plan• Production Plan• Financial Plan• Marketing Plan• Human Resource Planning
2	AUGUST	UNIT 3: ENTERPRISE MARKETING <ul style="list-style-type: none">• Marketing and sales strategy• Branding, logo, tag line• Promotion strategy PROJECT WORK – MARKET SURVEY UNIT 4: ENTERPRISE GROWTH STRATEGIES <ul style="list-style-type: none">• Franchising – Concept, types, advantages, limitations• Merger and Acquisition – Concept, reasons, types
3	SEPTEMBER	UNIT 5: BUSINESS ARITHMETIC <ul style="list-style-type: none">• Unit of Sale, Unit Cost for multiple products or services• Break Even Analysis for multiple products or services

TERM – II

S.NO	MONTH	CHAPTERS
4	OCTOBER	<ul style="list-style-type: none">• Computation of working capital• Inventory control and EOQ• Return on Investment (ROI) and Return on Equity (ROE) PROJECT WORK – BUSINESS PLAN
5	NOVEMBER	UNIT 6: RESOURCE MOBILISATION <ul style="list-style-type: none">• Capital Market - Primary• Angel Investor- Features• Venture Capital – Features, funding

POLITICAL SCIENCE

S.NO.	MONTH	CHAPTERS
1	APRIL - MAY	<ul style="list-style-type: none"> • (BOOK 1) CONTEMPORARY WORLD POLITICS • UNIT-1 COLD WAR ERA AND NON- ALIGNED MOVEMENT • UNIT -2 THE END OF BIPOLARITY
2	JULY	<ul style="list-style-type: none"> • UNIT -3 NEW CENTRES OF POWER • UNIT -4 SOUTH ASIA AND CONTEMPORARY WORLD
3	AUGUST	<ul style="list-style-type: none"> • UNIT-5 UNITED NATIONS AND ITS ORGANISATIONS • CHAPTER -6 GLOBALIZATION • (BOOK2) POLITICS IN INDIA SINCE INDEPENDENCE • UNIT – 7 CHALLENGES OF NATION BUILDING
4	SEPTEMBER	<ul style="list-style-type: none"> • UNIT- 8 PLANNED DEVELOPMENT • UNIT -9 INDIA’S FOREIGN POLICY
5	OCTOBER	<ul style="list-style-type: none"> • UNIT-10 PARTIES AND PARTY SYSTEMS IN INDIA • UNIT - 11 DEMOCRATIC RESURGENCE
6	NOVEMBER	<ul style="list-style-type: none"> • UNIT- 12 INDIAN POLITICS : TRENDS AND DEVELOPMENTS

PSYCHOLOGY

S.NO.	MONTH	CHAPTERS
1	April	<ul style="list-style-type: none"> • Chapter 1 - Variations in Psychological Attributes
2	May	<ul style="list-style-type: none"> • Chapter 2 - Self and Personality
3	July	<ul style="list-style-type: none"> • Chapter 3 - Meeting Life Challenges • Introduction to Psychological Testing (Practical file) • Chapter 4 - Psychological Disorders (Half)
4	August	<ul style="list-style-type: none"> • Chapter 4 - Psychological Disorders (Half) • Practical No. 1 - Raven’s Standard Progressive Matrices • Practical No. 2 – Self Concept Questionnaire • Chapter 5 - Therapeutic Approaches
5	September	<ul style="list-style-type: none"> • Chapter 6 – Attitude and Social Cognition • Practical No. 3 – Sodhi Attitude Scale
6	October	<ul style="list-style-type: none"> • Chapter 7 – Social Influence and Group Processes

INFORMATICS PRACTICES

S.NO.	MONTH	CHAPTERS
1	APRIL	<ul style="list-style-type: none"> Data Visualization – Introduction to Matplotlib – Line chart, Bar graph, Histograms.
2	MAY	<ul style="list-style-type: none"> Data Visualization - Customizing charts in Python
3	JULY	<ul style="list-style-type: none"> Data Handling in Pandas -1
4	AUGUST	<ul style="list-style-type: none"> Data Handling using Series
5	SEPTEMBER	<ul style="list-style-type: none"> Introduction to Computer Networks
6	OCTOBER	<ul style="list-style-type: none"> Societal Impacts
7	NOVEMBER	<ul style="list-style-type: none"> Revision

PAINING

MONTH	UNIT		CONTENT/DETAILS
May	Unit 1	The Rajasthani and Pahari Schools of Miniature Paintings	Rajasthani School <ol style="list-style-type: none"> Origin and Development Sub-schools-Mewar, Bundi, Jodhpur, Bikaner, Kishangarh and Jaipur Main features of Rajasthani School Appreciation of Rajasthani Paintings
July		The Rajasthani and Pahari Schools of Miniature Paintings	Pahari School <ol style="list-style-type: none"> Origin and Development Sub-schools: - Basohli, Guler, Kangra, Chamba and Garhwal Main features of Pahari school Appreciation of Pahari Paintings
August	Unit 2	The Mughal and Deccan schools of Miniature Painting	The Mughal School <ol style="list-style-type: none"> Origin and Development Main features of Mughal school Appreciation of Mughal Paintings
September		The Mughal and Deccan schools of Miniature Painting	The Deccan School <ol style="list-style-type: none"> Origin and Development Main features of Deccan school Appreciation of Deccan Paintings
October, November	Unit - 3	The Bengal School of Painting and the modern trends in Indian Art	<ol style="list-style-type: none"> About the beginning to mid of the 20th century Introduction of Bengal School of Paintings Appreciation of Bengal Paintings The modern trends in Indian Art

VALUE EDUCATION

BOOK: BHAGVAD GITA

S.NO.	MONTH	CHAPTERS
1	APRIL-MAY	<ul style="list-style-type: none">• L-10 Vibhuti Yoga• L- 11 Vishwarupa Darshana Yoga•
2	JULY	<ul style="list-style-type: none">• L- 12 Bhakti Yoga
3	AUGUST	<ul style="list-style-type: none">• L- 13 Kshetra Kshetrajna Vibhagha Yoga• L- 14 Gunatraya Vibhaga Yoga
4	SEPTEMBER	<ul style="list-style-type: none">• L-15 Purushottama Yoga• L- 16 Daiva Asura Sampat Vibhaga Yoga
5	OCTOBER - NOVEMBER	<ul style="list-style-type: none">• L- 17 Shraddhatraya Vibhaga Yoga• L- 18 Moksha Sanyaasa Yoga

PHYSICAL EDUCATION

S.NO.	MONTH	CHAPTERS
1	JULY	<ul style="list-style-type: none">• UNIT-II- Sports and Nutrition
2	AUGUST	<ul style="list-style-type: none">• UNIT-III- Yoga and Lifestyle• UNIT-IV- Physical Education and Sports for CWSN (Children with special needs-Divyang)
3	SEPTEMBER	<ul style="list-style-type: none">• UNIT-V-Children and Women in sports• UNIT-VI- Test and Measurement in Sports
4	OCTOBER	<ul style="list-style-type: none">• UNIT-VII-Physiology and Injuries in Sports• UNIT-VIII- Biomechanics and Sports• UNIT-IX- Psychology and Sports
5	NOVEMBER	<ul style="list-style-type: none">• UNIT-X- Training in Sports

ENGLISH

S.NO.	MONTH	CHAPTERS
1	APRIL	<ul style="list-style-type: none">• Flamingo• L-1 The Last Lesson• P-1 My Mother at Sixty Six• Writing Skills• Job Application
2	MAY	<ul style="list-style-type: none">• Flamingo• L-2 The Lost Spring• P-5 Aunt Jennifer's Tigers
3	JULY	<ul style="list-style-type: none">• Flamingo• P-2 An Elementary School Classroom in a Slum• Vistas• L-2 The Enemy• Writing Skills• Notice• Article Writing
4	AUGUST	<ul style="list-style-type: none">• Flamingo• L-3 Deep Water• P-3 Keeping Quiet• Vistas• L-1 The Third Level• Writing Skills• Letter to the Editor• Invitation
5	SEPTEMBER	<ul style="list-style-type: none">• Examination
6	OCTOBER	<ul style="list-style-type: none">• Flamingo• L-4 The Rattrap• P-4 A Thing of Beauty• Vistas• L-5 Evans Tries an O-Level• Writing Skills• Report Writing
7	NOVEMBER	<ul style="list-style-type: none">• Flamingo• L-5 Indigo• Vistas• L-3 Should Wizard Hit Mommy• L-4 On the Face of It• Writing Skills• Advertisement