

**CHINMAYA VIDYALAYA, NEW DELHI**

**SYLLABUS 2024-25**

**CLASS XII**

**ENGLISH**

<b>MONTH</b>	<b>CHAPTERS</b>
<b>MARCH-APRIL</b>	CH- THE LAST LESSON CH- LOST SPRING POETRY - MY MOTHER AT SIXTY-SIX CH- THE THIRD LEVEL (SUPP. RDR.)
<b>MAY</b>	CH- THE RATTRAP CH- DEEP WATER POETRY- KEEPING QUIET WRITING- NOTICE, LETTER TO THE EDITOR
<b>JULY</b>	POETRY- A THING OF BEAUTY CH- INDIGO CH- THE TIGER KING (SUPP. RDR.) CH- POETS AND PANCAKES WRITING- JOB APPLICATION PROJECT WORK
<b>AUGUST</b>	CH- JOURNEY TO THE END OF THE EARTH (SUPP. RDR.) POETRY- AUNT JENNIFER'S TIGERS CH- THE ENEMY (SUPP. RDR.) WRITING: ARTICLE WRITING PROJECT WORK
<b>SEPTEMBER</b>	POETRY- A ROADSIDE STAND WRITING: REPORT WRITING PROJECT WORK
<b>OCTOBER</b>	CH- THE INTERVIEW CH- ON THE FACE OF IT (SUPP. RDR.) WRITING: INVITATIONS
<b>NOVEMBER</b>	CH- GOING PLACES CH- MEMORIES OF CHILDHOOD (SUPP. RDR.)

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## MATHEMATICS

MONTH	CHAPTERS
APRIL	CHAPTER 1 - RELATIONS AND FUNCTIONS CHAPTER 3 – MATRICES CHAPTER 4 - DETERMINANTS <b>ACTIVITY 1 :</b> TO VERIFY THAT FOR TWO SETS X AND Y, NUMBER OF ORDERED PAIRS EQUALS TO $p \times q$ AND THAT THE TOTAL NUMBER OF RELATIONS FROM X TO Y IS $2^{p \times q}$ , WHERE $n(X) = p$ AND $n(Y) = q$ <b>ACTIVITY 2 :</b> TO DEMONSTRATE THAT A FUNCTION IS 1-1.
MAY	CHAPTER 2 - INVERSE TRIGONOMETRIC FUNCTIONS CHAPTER 5 - CONTINUITY AND DIFFERENTIABILITY CHAPTER 6 - APPLICATIONS OF DERIVATIVES <b>ACTIVITY 3:</b> TO DRAW THE GRAPH OF $\sin^{-1}x$ , USING GRAPH OF $\sin x$ AND DEMONSTRATE THE CONCEPT OF MIRROR IMAGE ABOUT THE LINE $y = x$ <b>ACTIVITY 4:</b> TO FIND ANALYTICALLY THE LIMIT OF A FUNCTION $f(x)$ AT $x = c$ AND ALSO TO CHECK THE CONTINUITY OF THE FUNCTION AT THAT POINT. <b>ACTIVITY 5:</b> TO UNDERSTAND THE CONCEPT OF CONTINUITY, WITH THE HELP OF GRAPHS OF DIFFERENT FUNCTIONS I.E $f(x) = \sin x$ in $[-2\pi, 2\pi]$ AND $f(x) = [x]$ in $[-3,3]$ .
JULY	CHAPTER 7 - INTEGRALS <b>ACTIVITY 6 :</b> TO UNDERSTAND THE CONCEPTS OF DECREASING AND INCREASING FUNCTIONS.
AUGUST	CHAPTER 8 - APPLICATIONS OF THE INTEGRALS CHAPTER 9 - DIFFERENTIAL EQUATIONS <b>ACTIVITY 7:</b> TO OBTAIN INDEFINITE INTEGRAL OF FAMILY OF PARABOLAS USING THE CONCEPT OF ANTI DERIVATIVES OF A FUNCTION USING GRAPH. <b>ACTIVITY 8 :</b> TO FIND THE AREA OF RECTANGLE BY USING DEFINITE INTEGRALS.
SEPTEMBER	CHAPTER 10 - VECTOR ALGEBRA CHAPTER 11 - THREE - DIMENSIONAL GEOMETRY <b>ACTIVITY 9 :</b> TO VERIFY GEOMETRICALLY THAT $\vec{c} \times (\vec{a} + \vec{b}) = \vec{c} \times \vec{a} + \vec{c} \times \vec{b}$
OCTOBER	CHAPTER 12 - LINEAR PROGRAMMING
NOVEMBER	CHAPTER 13 - PROBABILITY <b>ACTIVITY 10 :</b> TO EXPLAIN THE COMPUTATION OF A GIVEN EVENT A , WHEN EVENT B HAS ALREADY OCCURRED THROUGH AN EXAMPLE OF THROWING A PAIR OF DICE.
DECEMBER	REVISION

Note: Subject to change as per the CBSE notification

## PHYSICS

<b>MONTHS</b>	<b>UNITS</b>
<b>MARCH-APRIL</b>	ELECTROSTATICS PRACTICAL'S- 1.TO DETERMINE RESISTIVITY OF TWO / THREE WIRES BY PLOTTING A GRAPH FOR POTENTIAL DIFFERENCE VERSUS CURRENT. 2.TO FIND RESISTANCE OF A GIVEN WIRE / STANDARD RESISTOR USING METRE BRIDGE. 3.TO VERIFY THE LAWS OF COMBINATION (SERIES) OF RESISTANCES USING A METRE BRIDGE. OR TO VERIFY THE LAWS OF COMBINATION (PARALLEL) OF RESISTANCES USING A METRE BRIDGE.
<b>MAY</b>	CURRENT AND ELECTRICITY PRACTICAL'S 4. TO DETERMINE RESISTANCE OF A GALVANOMETER BY HALF-DEFLECTION METHOD AND TO FIND ITS FIGURE OF MERIT.
<b>JULY</b>	MAGNETISM PRACTICAL'S 5. TO FIND THE FREQUENCY OF AC MAINS WITH A SONOMETER.
<b>AUGUST</b>	EMI AND AC, EMW PRACTICAL'S 6.TO FIND THE VALUE OF V FOR DIFFERENT VALUES OF U IN CASE OF A CONCAVE MIRROR AND TO FIND THE FOCAL LENGTH. 7. TO FIND THE FOCAL LENGTH OF A CONVEX LENS BY PLOTTING GRAPHS BETWEEN U AND V OR BETWEEN 1/U AND 1/V.
<b>SEPTEMBER</b>	OPTICS, DUAL NATURE OF MATTER PRACTICAL'S 8.TO DETERMINE ANGLE OF MINIMUM DEVIATION FOR A GIVEN PRISM BY PLOTTING A GRAPH BETWEEN ANGLE OF INCIDENCE AND ANGLE OF DEVIATION. 9.TO DETERMINE REFRACTIVE INDEX OF A GLASS SLAB USING A TRAVELLING MICROSCOPE.
<b>OCTOBER</b>	ATOMS, NUCLEI AND SEMICONDUCTORS PRACTICAL'S 10.TO DRAW THE I-V CHARACTERISTIC CURVE FOR A P-N JUNCTION DIODE IN FORWARD AND REVERSE BIAS. 11. TO FIND THE REFRACTIVE INDEX OF A LIQUID USING A CONCAVE MIRROR AND A PLANE MIRROR.
<b>NOVEMBER</b>	REVISION

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## CHEMISTRY

MONTH	UNITS
APRIL	SOLUTIONS PRACTICAL- SALT ANALYSIS & CHROMATOGRAPHY
MAY	HALOALKANES AND HALOARENES PRACTICAL- SALT ANALYSIS
JULY	ALCOHOLS, PHENOL AND ETHER ALDEHYDE KETONE AND CARBOXYLIC ACID PRACTICAL -TITRATION
AUGUST	ELECTROCHEMISTRY CHEMICAL KINETICS PRACTICAL -TITRATION & INVESTIGATORY PROJECTS
SEPTEMBER	ORGANIC COMPOUNDS CONTAINING NITROGEN PRACTICAL – FUNCTIONAL GROUP ANALYSIS
OCTOBER	d AND f BLOCK ELEMENTS COORDINATION COMPOUNDS PRACTICAL - FOOD TEST & RATE OF REACTION
NOVEMBER	BIOMOLECULES

## BIOLOGY

MONTH	CHAPTER
MARCH-APRIL	CH- 5: PRINCIPLES OF INHERITANCE CH- 6: MOLECULAR BASIS OF INHERITANCE PRACTICALS: 1. MENDELIAN INHERITANCE USING SEEDS OF DIFFERENT COLOUR/SIZES OF ANY PLANT 2. PREPARED PEDIGREE CHARTS OF ANY ONE OF THE GENETIC TRAITS SUCH AS ROLLING OF TONGUE, BLOOD GROUPS, EAR LOBES, WIDOW'S PEAK AND COLOUR BLINDNESS
MAY	CH – 6: MOLECULAR BASIS OF INHERITANCE CONTD. CH – 7: EVOLUTION PRACTICALS: 3. CONTROLLED POLLINATION - EMASCULATION, TAGGING

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	<p>AND BAGGING</p> <p>4. FLOWERS ADAPTED TO POLLINATION BY DIFFERENT AGENCIES (WIND, INSECTS, BIRDS)</p> <p>5. POLLEN GERMINATION ON STIGMA THROUGH A PERMANENT SLIDE OR SCANNING ELECTRON MICROGRAPH</p> <p>6. FLASH CARDS MODELS SHOWING EXAMPLES OF HOMOLOGOUS AND ANALOGOUS ORGANS.</p>
<b>JULY</b>	<p>CH – 11: BIOTECHNOLOGY PRINCIPLES AND PROCESSES</p> <p>CH – 12: BIOTECHNOLOGY AND ITS APPLICATIONS</p> <p>PRACTICALS:</p> <p>7. ISOLATE DNA FROM AVAILABLE PLANT MATERIAL SUCH AS SPINACH, GREEN PEA SEEDS, PAPAYA, ETC.</p> <p>8. STUDY THE PLANT POPULATION DENSITY BY QUADRAT METHOD</p> <p>9. STUDY THE PLANT POPULATION FREQUENCY BY QUADRAT METHOD</p>
<b>AUGUST</b>	<p>CH – 2: SEXUAL REPRODUCTION IN FLOWERING PLANTS</p> <p>CH – 3: HUMAN REPRODUCTION</p> <p>PRACTICALS:</p> <p>10. PREPARE A TEMPORARY MOUNT TO OBSERVE POLLEN GERMINATION</p> <p>11. PREPARE A TEMPORARY MOUNT OF ONION ROOT TIP TO STUDY MITOSIS.</p>
<b>SEPTEMBER</b>	<p>CH – 4: REPRODUCTIVE HEALTH</p> <p>CH – 8: HUMAN HEALTH AND DISEASES</p> <p>PRACTICALS:</p> <p>12. IDENTIFICATION OF STAGES OF GAMETE DEVELOPMENT, T.S. OF TESTIS AND T.S. OF OVARY THROUGH PERMANENT SLIDES (FROM GRASSHOPPER/MICE)</p> <p>13. MEIOSIS IN ONION BUD CELL OR GRASSHOPPER TESTIS THROUGH PERMANENT SLIDES</p> <p>14. T.S. OF BLASTULA THROUGH PERMANENT SLIDES (MAMMALIAN).</p>
<b>OCTOBER</b>	<p>CH – 10: MICROBES IN HUMAN WELFARE</p> <p>CH – 13: ORGANISMS AND POPULATION</p> <p>CH - 14: ECOSYSTEM</p> <p>PRACTICALS:</p> <p>15. COMMON DISEASE-CAUSING ORGANISMS LIKE ASCARIS, ENTAMOEBA, PLASMODIUM, ANY FUNGUS CAUSING RINGWORM THROUGH PERMANENT SLIDES, MODELS OR VIRTUAL IMAGES OR SPECIMENS. COMMENT ON SYMPTOMS OF DISEASES THAT THEY CAUSE</p> <p>16. MODELS SPECIMEN SHOWING SYMBOLIC ASSOCIATION IN ROOT MODULES OF LEGUMINOUS PLANTS, CUSCUTA ON HOST, LICHENS</p>
<b>NOVEMBER</b>	<p>CH – 15: BIODIVERSITY AND CONSERVATION</p>

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## COMPUTER SCIENCE

MONTHS	UNITS /CHAPTER
<b>MARCH-APRIL</b>	CH-1: PYTHON REVISION TOUR-I CH-2: PYTHON REVISION TOUR-II CH-3: WORKING WITH FUNCTIONS
<b>MAY</b>	CH-4: WORKING WITH LIBRARIES CH-5: FILE HANDLING (PROJECT SYNOPSIS)
<b>JULY</b>	CH-9: DATA STRUCTURES-II (STACK)
<b>AUGUST</b>	CH-11: RELATIONAL DATABASES CH-12: SIMPLE QUERIES IN SQL
<b>SEPTEMBER</b>	CH-13: TABLE CREATION AND DML CH-14: GROUPING RECORDS, JOIN IN SQL (PROJECT WORK)
<b>OCTOBER</b>	CH-15: INTERFACE IN PYTHON WITH MYSQL CH-16: COMMUNICATION AND NETWORK CONCEPTS (PROJECT WORK)
<b>NOVEMBER</b>	CH-16: COMMUNICATION AND NETWORK CONCEPTS

## BUSINESS STUDIES

MONTH	TOPIC
<b>MARCH-APRIL</b>	UNIT 12: CONSUMER PROTECTION ACT,2019 UNIT 11: MARKETING MANAGEMENT
<b>MAY</b>	UNIT 11: MARKETING MANAGEMENT CONTD. UNIT 02: PRINCIPLES OF MANAGEMENT.
<b>JULY</b>	UNIT 10: FINANCIAL MARKETS UNIT 09: FINANCIAL MANAGEMENT
<b>AUGUST</b>	UNIT 08: CONTROLLING UNIT 01: MANAGEMENT AND ITS SIGNIFICANCE
<b>SEPTEMBER</b>	UNIT 03: BUSINESS ENVIRONMENT UNIT 04: ORGANIZING
<b>OCTOBER</b>	UNIT 05: STAFFING
<b>NOVEMBER</b>	UNIT 06: DIRECTING

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## ACCOUNTANCY

MONTH	TOPIC
MARCH-APRIL	UNIT 1: ACCOUNTING FOR PARTNERSHIP
MAY	UNIT 1: ACCOUNTING FOR PARTNERSHIP CONTD.
JULY	UNIT 1: ACCOUNTING FOR PARTNERSHIP CONTD.
AUGUST	UNIT 2: COMPANY (SHARES) ACCOUNTING
SEPTEMBER	UNIT 2: DEBENTURES ACCOUNTING
OCTOBER	UNIT 3: (A). FINANCIAL STATEMENTS ANALYSIS (B). RATIO ANALYSIS
NOVEMBER	UNIT 3: (C). COMPARATIVE FINANCIAL STATEMENTS--- i. COMMON-SIZE BALANCE SHEET & INCOME STATEMENT ii. COMPARATIVE BALANCE SHEET & INCOME STATEMENT UNIT 4: CASH FLOW STATEMENT.

## POLITICAL SCIENCE

MONTH	TOPIC
	<b>(BOOK 1) CONTEMPORARY WORLD POLITICS</b>
MARCH-APRIL	CHAPTER -1 THE END OF BIPOLARITY CHAPTER -2 CONTEMPORARY CENTRES OF POWER
MAY	CHAPTER -2 CONTEMPORARY CENTRES OF POWER CHAPTER -3 CONTEMPORARY SOUTH ASIA
JULY	CHAPTER -3 CONTEMPORARY SOUTH ASIA CHAPTER- 4 INTERNATIONAL ORGANISATIONS CHAPTER -5 SECURITY IN THE CONTEMPORARY WORLD
AUGUST	CHAPTER -6 ENVIRONMENT AND NATURAL RESOURCES CHAPTER -7 GLOBALISATION <b>(BOOK 2) POLITICS IN INDIA SINCE INDEPENDENCE</b> CHAPTER -1 CHALLENGES OF NATION BUILDING
SEPTEMBER	CHAPTER - 2 ERA OF ONE- PARTY DOMINANCE CHAPTER- 3 POLITICS OF PLANNED DEVELOPMENT CHAPTER - 4 INDIA'S EXTERNAL RELATIONS
OCTOBER	CHAPTER - 5 CHALLENGES TO AND RESTORATION OF THE CONGRESS SYSTEM CHAPTER - 6 THE CRISES OF DEMOCRATIC ORDER
NOVEMBER	CHAPTER - 7 REGIONAL ASPIRATIONS CHAPTER- 8 RECENT DEVELOPMENTS IN INDIAN POLITICS

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## PSYCHOLOGY

MONTH	TOPIC
<b>MARCH-APRIL</b>	CHAPTER 1- VARIATIONS IN PSYCHOLOGICAL ATTRIBUTES PRACTICAL – RAVEN'S STANDARD PROGRESSIVE MATRICES
<b>MAY</b>	CHAPTER 2- SELF AND PERSONALITY PRACTICAL - SELF CONCEPT QUESTIONNAIRE PROJECT WORK – CASE STUDY
<b>JULY</b>	CHAPTER 3- MEETING LIFE CHALLENGES PRACTICAL – ADJUSTMENT INVENTORY FOR SCHOOL STUDENTS
<b>AUGUST</b>	CHAPTER 4- PSYCHOLOGICAL DISORDERS PRACTICAL – SINHA'S COMPREHENSIVE ANXIETY TEST
<b>SEPTEMBER</b>	CHAPTER 5- THERAPEUTIC APPROACHES
<b>OCTOBER</b>	CHAPTER 6- ATTITUDE AND SOCIAL COGNITION PRACTICAL – SODHI'S ATTITUDE SCALE
<b>NOVEMBER</b>	CHAPTER 7- SOCIAL INFLUENCE AND GROUP PROCESSES

## INFORMATICS PRACTICES

MONTHS	UNITS
<b>MARCH-APRIL</b>	CH-1: PYTHON PANDAS-I CH-2: PYTHON PANDAS-II
<b>MAY</b>	CH-3: PLOTTING WITH PYPLOT (PROJECT SYNOPSIS)
<b>JULY</b>	CH-4: IMPORT/EXPORT DATA IN CSV/MYSQL CH-5: MYSQL REVISION TOUR
<b>AUGUST</b>	CH-6: MYSQL FUNCTIONS CH-7: QUERYING USING SQL
<b>SEPTEMBER</b>	CH-8: JOINS AND SET OPERATIONS CH-9: INTRODUCTION TO COMPUTER NETWORKS (PROJECT)

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<b>OCTOBER</b>	CH-9: INTRODUCTION TO COMPUTER NETWORKS CH-11: SOCIETAL IMPACTS (PROJECT)
<b>NOVEMBER</b>	CH-11: SOCIETAL IMPACTS

### VALUE EDUCATION

<b>MONTH</b>	<b>TOPIC</b>
<b>APRIL</b>	L-10 VIBHOOTI YOGA
<b>MAY</b>	L-11 VISHWAROOPA DARSHAN YOGA
<b>JULY</b>	L-12 BHAKTI YOGA
<b>AUGUST</b>	L-13 KSHETRA KSHETRAJNA VIBHAAGA YOGA
<b>SEPTEMBER</b>	L-14 GUNATRAYA VIBHAGA YOGA L-15 PURUSHOTTAMA YOGA
<b>OCTOBER</b>	L-16 DAIVA ASURA SAMPAT VIBHAAGA YOGA L-17 SHRADDHA TRAYA VIBHAAGA YOGA
<b>NOVEMBER</b>	L-18 MOKSHA SANNYASA YOGA

### PAINTING

<b>MONTHS</b>	<b>UNITS</b>
<b>APRIL</b>	RAJASTHANI SCHOOL OF MINIATURE PAINTINGS
<b>MAY</b>	PAHARI SCHOOL OF MINIATURE PAINTINGS
<b>JULY</b>	MUGHAL SCHOOL OF MINIATURE PAINTINGS
<b>AUGUST</b>	DECCAN SCHOOL OF MINIATURE PAINTINGS
<b>SEPTEMBER</b>	THE BENGAL SCHOOL OF PAINTINGS
<b>OCTOBER</b>	THE MODERN TRENDS IN INDIAN ART
<b>NOVEMBER</b>	GRAPHIC DESIGN AND SCULPTURES

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## ENTREPRENEURSHIP

<b>MONTHS</b>	<b>UNITS</b>
<b>MARCH-APRIL</b>	UNIT 1: ENTREPRENEURIAL OPPORTUNITIES PROJECT WORK- MARKET SURVEY
<b>MAY</b>	UNIT 2: ENTREPRENEURIAL PLANNING
<b>JULY</b>	UNIT 3: ENTERPRISE MARKETING PROJECT WORK – BUSINESS PLAN
<b>AUGUST</b>	UNIT 4: ENTERPRISE GROWTH STRATEGIES
<b>SEPTEMBER</b>	UNIT 5: BUSINESS ARITHMETIC
<b>OCTOBER</b>	UNIT 6: RESOURCE MOBILIZATION
<b>NOVEMBER</b>	PROJECT WORK

## ECONOMICS

<b>MONTH</b>	<b>TOPIC</b>
<b>MARCH/ APRIL</b>	<p>MACRO ECONOMICS- UNIT: MONEY AND BANKING MONEY – 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, CONTROL OF CREDIT THROUGH BANK RATE, CRR, SLR, REPO RATE AND REVERSE REPO RATE, OPEN MARKET OPERATIONS, MARGIN REQUIREMENT. MONEY – MEANING AND SUPPLY OF MONEY – CURRENCY HELD BY THE PUBLIC AND NET DEMAND DEPOSITS HELD BY COMMERCIAL BANKS</p> <p>MACRO ECONOMICS- UNIT: GOVERNMENT BUDGET AND THE ECONOMY. GOVERNMENT BUDGET - MEANING, OBJECTIVES AND COMPONENTS. CLASSIFICATION OF RECEIPTS - REVENUE RECEIPTS AND CAPITAL RECEIPTS; CLASSIFICATION OF EXPENDITURE – REVENUE EXPENDITURE AND CAPITAL EXPENDITURE. BALANCED, SURPLUS AND DEFICIT BUDGET – MEASURES OF GOVERNMENT DEFICIT.</p>

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<p style="text-align: center;"><b>MAY</b></p>	<p>INDIAN ECONOMIC DEVELOPMENT-UNIT 4: DEVELOPMENT EXPERIENCE (1947-90) AND ECONOMIC REFORMS SINCE 1991. A BRIEF INTRODUCTION OF THE STATE OF INDIAN ECONOMY ON THE EVE OF INDEPENDENCE. INDIAN ECONOMIC SYSTEM AND COMMON GOALS OF FIVE-YEAR PLANS. MAIN FEATURES, PROBLEMS AND POLICIES OF AGRICULTURE (INSTITUTIONAL ASPECTS AND NEW AGRICULTURAL STRATEGY), INDUSTRY (IPR 1956; SSI – ROLE &amp; IMPORTANCE)</p> <p><b>PROJECT WORK WILL BE DISCUSSED</b></p>
<p style="text-align: center;"><b>JULY</b></p>	<p>(CONT) INDIAN ECONOMIC DEVELOPMENT-UNIT 4: DEVELOPMENT EXPERIENCE (1947-90) AND ECONOMIC REFORMS SINCE 1991. FOREIGN TRADE. ECONOMIC REFORMS SINCE 1991: FEATURES AND APPRAISALS OF LIBERALIZATION, GLOBALIZATION AND PRIVATIZATION (LPG POLICY); CONCEPTS OF DEMONETIZATION AND GST.</p> <p>MACRO ECONOMICS UNIT: NATIONAL INCOME AND RELATED AGGREGATES WHAT IS MACROECONOMICS? BASIC CONCEPTS IN MACROECONOMICS: CONSUMPTION GOODS, CAPITAL GOODS, FINAL GOODS, INTERMEDIATE GOODS; STOCKS AND FLOWS; GROSS INVESTMENT AND DEPRECIATION. CIRCULAR FLOW OF INCOME (TWO SECTOR MODEL). AGGREGATES RELATED TO NATIONAL INCOME: GROSS NATIONAL PRODUCT (GNP), NET NATIONAL PRODUCT (NNP), GROSS DOMESTIC PRODUCT (GDP) AND NET DOMESTIC PRODUCT (NDP) - AT MARKET PRICE, AT FACTOR COST; REAL AND NOMINAL GDP. GDP AND WELFARE. NATIONAL INCOME AND RELATED AGGREGATES</p> <p><b>PROJECT WORK</b></p>
<p style="text-align: center;"><b>AUGUST</b></p>	<p>(CONT) MACRO ECONOMICS UNIT: METHODS OF CALCULATING NATIONAL INCOME - VALUE ADDED OR PRODUCT METHOD, EXPENDITURE METHOD, INCOME METHOD</p> <p>MACRO ECONOMICS UNIT:</p> <p>MACRO ECONOMICS - UNIT : DETERMINATION OF INCOME AND EMPLOYMENT - 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 -</p>

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	<p>CHANGES IN GOVERNMENT SPENDING, TAXES AND MONEY SUPPLY.</p> <p>MACRO ECONOMICS- UNIT: BALANCE OF PAYMENTS BALANCE OF PAYMENTS ACCOUNT - MEANING AND COMPONENTS; BALANCE OF PAYMENTS – SURPLUS AND DEFICIT FOREIGN EXCHANGE RATE - MEANING OF FIXED AND FLEXIBLE RATES AND MANAGED FLOATING. DETERMINATION OF EXCHANGE RATE IN A FREE MARKET, MERITS AND DEMERITS OF FLEXIBLE AND FIXED EXCHANGE RATE. MANAGED FLOATING EXCHANGE RATE SYSTEM.</p> <p><b>PROJECT WORK</b></p>
<b>SEPTEMBER</b>	<p>INDIAN ECONOMIC DEVELOPMENT-UNIT: CURRENT CHALLENGES FACING INDIAN ECONOMY</p> <p>HUMAN CAPITAL FORMATION: HOW PEOPLE BECOME RESOURCE; ROLE OF HUMAN CAPITAL IN ECONOMIC DEVELOPMENT; GROWTH OF EDUCATION SECTOR IN INDIA</p> <p>RURAL DEVELOPMENT: KEY ISSUES - CREDIT AND MARKETING - ROLE OF COOPERATIVES; AGRICULTURAL DIVERSIFICATION; ALTERNATIVE FARMING - ORGANIC FARMING</p> <p>EMPLOYMENT: GROWTH AND CHANGES IN WORK FORCE PARTICIPATION RATE IN FORMAL AND INFORMAL SECTORS; PROBLEMS AND POLICIES</p> <p>SUSTAINABLE ECONOMIC DEVELOPMENT: MEANING, EFFECTS OF ECONOMIC DEVELOPMENT ON RESOURCES AND ENVIRONMENT, INCLUDING GLOBAL WARMING</p> <p><b>PROJECT WORK</b></p>
<b>OCTOBER</b>	<p>INDIAN ECONOMIC DEVELOPMENT-UNIT: DEVELOPMENT EXPERIENCE OF INDIA. A COMPARISON WITH NEIGHBOURS INDIA AND PAKISTAN INDIA AND CHINA ISSUES: GROWTH, POPULATION, SECTORAL DEVELOPMENT AND OTHER DEVELOPMENTAL INDICATORS COMPLETION OF</p> <p><b>COMPLETION OF PROJECT WORK</b></p>
<b>NOVEMBER</b>	<b>REVISION AND ASSESSMENT</b>

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## PHYSICAL EDUCATION

<b>MONTHS</b>	<b>UNITS</b>
<b>APRIL</b>	CH-1. MANAGEMENT OF SPORTING EVENTS CH-2. CHILDREN AND WOMEN IN SPORTS
<b>MAY</b>	CH-3. YOGA AS PREVERTIVE MEASURES FOR LIFESTYLE CH-4. PHYSICAL EDUCATION & SPORTS FOR CWSN
<b>JULY</b>	CH-5. SPORTS AND NUTRITION CH-6. TEST AND MEASUREMENT IN SPORTS
<b>AUGUST</b>	CH-7. PHYSIOLOGY & INJURIES IN SPORTS
<b>SEPTEMBER</b>	CH-8. BIOMECHANICS AND SPORTS
<b>OCTOBER</b>	CH-9. PSYCHOLOGY AND SPORTS
<b>NOVEMBER</b>	CH-10. TRAINING IN SPORTS

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