

SYLLABUS BIFURCATION

CLASS-11TH

SUBJECT- HINDI

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MONTH	SYLLABUS
APRIL	<ol style="list-style-type: none">1. आरोह- कबीर के पद(काव्य)2. नमक का दरोगा (गद्य)3. वितान- लता मंगेशकर4. अभि. व. मा. - संचार
MAY	<ol style="list-style-type: none">1. आरोह- मीरा के पद (काव्य)2. पथिक (काव्य)3. मियां नसीरुद्दीन (गद्य)4. पत्रकारिता के विविध आयाम।5. वितान- राजस्थान की रजत बूंदें।
JULY	<ol style="list-style-type: none">1. आरोह- वे आंखें (काव्य)2. अपू के ढाई साल (गद्य)3. अभि. व. मा. - डायरी लेखन की कला4. आरोह- विदाई भाषण5. कथा- पटकथा।
AUGUST	<ol style="list-style-type: none">1. आरोह- घर की याद (काव्य)2. गलत लोहा (गद्य)3. चंपा काले-काले अच्छर नहीं चिन्हती (काव्य)4. स्पीती में बारिश(गद्य)5. अभि. व. मा. - कार्यालयी लेखन
SEP.	<ol style="list-style-type: none">1. आरोह- साये में धूप (काव्य)2. रजनी (गद्य)3. जामुन का पेड़ (गद्य)
OCT.	<ol style="list-style-type: none">1. आरोह- सबसे खतरनाक (काव्य)2. भारत माता (गद्य)3. हे भूख मत मचल, हे मेरे जूही के फूल जैसे ईश्वर(काव्य)4. अभि. व. मा. - स्ववृत लेखन5. आत्मा का ताप।
NOV.	<ol style="list-style-type: none">1. आरोह- आओ मिलकर बचाएं (काव्य)2. वितान- आलो-आंधरि (गद्य)3. अभि. व. मा. - शब्दकोश निर्माण तथा संदर्भ ग्रन्थ लेखन।

SYLLABUS 2022-23**CLASS – XI****SUB:- PHYSICS**

MONTHS	TOPIC TO BE COVERED
JUNE	UNIT-1 PHYSICAL WORLD AND MEASUREMENT CH-2 UNITS AND MEASUREMENTS
JULY	CH-2 UNITS AND MEASUREMENTS UNIT-2 KINEMATICS CH-3 MOTION IN A STRAIGHT LINE CH-4 MOTION IN A PLANE
AUGUST	UNIT-3 LAW OF MOTION CH-5 UNIT-4 WORK, ENERGY AND POWER CH-6
SEPTEMBER	UNIT 5 CH-7 SYSTEM OF PARTICLES AND ROTATIONAL MOTION
OCTOBER	UNIT V, VI CH-7 CH-8 GRAVITATION
NOVEMBER	UNIT-7 PROPERTIES OF BULK MATTER CH-9 MECHANICAL PROPERTIES OF SOLID CH-10 MECHANICAL PROPERTIES OF FLUID CH-11 THERMAL PROPERTIES OF MATTER
DECEMBER	UNIT-8, 9 CH-12 THERMO DYNAMICS CH-13 KINETIC THEORY
JANUARY	UNIT-10 OSCILLATIONS AND WAVES CH-14 OSCILLATIONS CH-15 WAVES
FEBRUARY	UNIT-X CH-15 WAVES
MARCH	REVISION ANNUAL EXAMS

Class XI

Chemistry

Session 2022-23

Mr. Abhishek

Month	Syllabus
July	Theory : Unit 1 : Some basic concepts of Chemistry Unit 2 : Structure of atom Practical : Basic laboratory techniques
August	Theory : Unit : 12 Organic Chemistry – Some basic principles and techniques Practical : Experiments based on pH
September	Theory : Revision Unit 1,2&12 Half yearly exam
October	Theory : Unit 7 : Equilibrium Unit 8 : Redox Reactions Practical : Quantitative estimation
November	Theory : Unit 3 : Classification of Elements and periodicity in properties Unit 4 : Chemical bonding and molecular structure Practical : Qualitative analysis
December	Theory : Unit 6 : Chemical Thermodynamics Practical :
January	Theory : Unit13 : Hydrocarbons Practical : Characteristics and purification of chemical substance
February	Theory : Revision Full Syllabus Practical : Chemical Equilibrium
March	Final exam

Class11 Biology Academic Calender2022-23

Month	Syllabus
June	CH 1: THE LIVING WORLD CH2: BIOLOGICAL CLASSIFICATION Ex: 1 Study and describe locally available common plants from family solanaceae. 2 Preparation and study of TS of dicot and monocots and stems. 3 Study of osmosis by potato osmometer.
July	CH 3: PLANT KINGDOM CH 4: ANIMAL KINGDOM CH5: MORPHOLOGY OF FLOWERING PLANTS 4 Study of plasmolysis in epidermal peels 5 Study of distribution of stomata on the upper and lower surfaces of leaves.
August	CH6:ANATOMYOFFLOWERINGPLANTS CH7:STRUCTURAL ORGANIZAION IN ANIMALS CH 8: CELL-THE UNIT OF LIFE 6 Test for the presence of sugar, starch, protein and fats in the suitable plant and animal materials. 7 Separation of plant pigment through paper chromatography.
September	CH9:BIOMOLECULES CH10-CELLCYCLEANDCELLDIVISION CH 13: PHOYTOSYNTHESIS. 8 Study of the rate of respiration in flower buds leaf tissue and germinating seeds. 9 comparative study of the rates of transpiration in upper and lower surface of leaves.
October	CH14:RESPIRATIONINPLANTS CH15:PLANTGROWTHANDDEVELOPMENTS 10 Test for presence of urea in urine. 11 Test for presence of sugar in urine. 12 Test for presence of albumin in urine. 13test for presence of bile salts in urine.
November	Ch17:BREATHINGANDEXCHANGE OFGASES CH18:BODYFLUIDSANDCIRCULATION
December	CH19:EXCRETORY PRODUCTS AND THEIR Elimination CH20:LOCOMOTION AND MOVEMENT

January	CH21:NATURALCONTROLANDCOORDINATION CH22:CHEMICALCOORDINATIONANDINTEGRATION 14Parts of a compound microscope. 15specimens/ slides /models and identifications with reason 16 mitosis in onion root tips cells and animal cells from permanent slides 17 different type of inflorescence. 18 human skeleton and different types of joints with the help of virtual image images models only.
February	Revision
March	Annual exam

MODERN GURUKUL SR. SEC. SCHOOL, MATINDU

SPLIT-UP SYLLABUS SESSION 2022-23

CLASS: XI

SUBJECT: BUSINESS STUDIES (054)

1. Foundations of Business: 40 Marks.

2. Finance and Trade: 40 Marks

Months	Name of the lessons	Learning outcome
June.2022	Unit- 1. Evolution and fundamentals of business- <ul style="list-style-type: none"> • Business: an introduction • Classification of business activities • History of commerce in India • Business risk: nature and causes 	Students will be able to Identify different economics activates and non-economic activities and further classify them into business, profession and employment.
July, 2022	Unit-2. Forms of business organizations <ul style="list-style-type: none"> • Forms of business organization: sole proprietorship • Partnership organisation • Limited liability partnership • Joint Hindu family business • Cooperative societies • Company organisation 	Students will be able to know concept of trade, types of trade and services which help in trade. Students will also know about the factors which are responsible for business risk.

	<ul style="list-style-type: none"> • Formation of a company: various stages • Choice of forms of business organisation 	
August, 2022	<p>Unit-3. Public, private and global enterprises</p> <ul style="list-style-type: none"> • Private sector and public sector • Global enterprises/ multinational companies, joint venture and public-private partnership <p>Unit-4. Business services</p> <ul style="list-style-type: none"> • Business services: banking services and digital payments • Insurance: an introduction • Life, fire and marine insurance • Postal and telecom services 	<p>Identify different enterprises of india of india and classify them into publicprivate and global enterprises.</p> <p>Visit a bank and see how they deal with customers and what services they provide to their customers. Visit an insurance company and see how they provide services to their customers and what responsibility they do for society. They can be asked to do online business and shopping.</p>
September,2022	<p>Unit- 5. Emerging modes of business</p> <ul style="list-style-type: none"> • E-business and outsourcing of services <p>Half yearly examination</p>	
October, 2022	<p>Unit-6. Social responsibility of business and business ethics</p> <p>Social responsibility of business and business ethics</p> <p>Unit- 7. Sources of business finance</p>	<p>Make a chart on sources of business finance.</p>
November. 2022	<p>Unit -8. Small business and enterprises</p> <ul style="list-style-type: none"> • Small business: an introduction • Entrepreneurship development, startup india scheme and intellectual property right 	<p>Make a list how small business are beneficial For economy</p>
December. 2022	<p>Unit -9. Internal trade</p> <ul style="list-style-type: none"> • Internal trade: meaning and types • Wholesale trade: meaning and services • Retail trade: meaning and types • GST: concept and key features 	<p>Students will be able to know concept of internal trade, different types of internal trade. Students will also know all about GST. Make a Project on Trade.</p>
January,2022	<p>International business</p> <ul style="list-style-type: none"> • International business • Import trade: procedure and documents • Export trade: procedure and documents 	<p>Students will be able to know about international business and what are the purpose of formation of WTO.</p>

	<ul style="list-style-type: none"> WTO: meaning and objectives 	
February, 2022	Revision and Project Work	
March, 2022	Final examination	

Class – XI

Subject – Economics

Academic calendar: 2021-2022

Month/ year	Topic covered
April, 2021	<p>Statistics for Economics:-</p> <p>Ch. 1.) concept of economics and significance of statistics for economics</p> <p>Ch. 9.) Measures of central tendency: Arithmetic mean</p> <p>Ch. 10.) Measures of central tendency: median and mode</p> <p>Activity:-1.) Make a table of economics marks obtained by all students of class XIth and calculate Mean, Median and Mode.</p> <p>2.) Collect data related to unemployment from your village and arrange above data in different type of series</p>
May, 2021	<p>Introductory microeconomics:-</p> <p>Ch. 1.) economics and economy</p> <p>Ch. 2.) Central problem of an economy</p>
June, 2021	Summer vacation
July, 2021	<p>Introductory microeconomics:-</p> <p>Ch.3) Consumer's Equilibrium – utility analysis.</p> <p>Ch. 4) Indifference curve analysis</p> <p>Ch. 5) Theory of demand</p>
August,2021	<p>Ch. 6) price elasticity of demand</p> <p>Ch. 7) production function and returns to factors</p>

	<p>Statistics for economics:- Ch. 2.) Collection of data Ch.3.) Census and sample methods of collection of data Activity: prepare a questionnaires related to poverty and collect data from your village by using census method.</p>
September, 2021	<p>Ch. 4) Organization of data Ch. 5) presentation of data- Textual and Tabular Presentation Revision for half-yearly examination Half-Yearly examination</p>
October, 2021	<p>Ch. 6) Diagrammatical presentation of data:- Bar diagram and pie diagram Ch. 7) frequency diagrams- Histogram, polygon and ogive Ch. 8) Arithmetic Line- Graphs or Time series graphs</p>
November, 2021	<p>Introductory microeconomics:- Ch. 8) concepts of cost Ch. 9) Concept of revenue Ch. 10) Producer's equilibrium Ch. 11) theory of supply</p>
December, 2021	<p>Statistics for economics:- Ch. 11) Correlation Ch. 12) Index number</p> <p>Introductory microeconomics:- Ch. 12) forms of market Activity: - 1.) Visit to the market and Identify the features of your near market. 2.) Find out the relation between rainfall and production of food grains in your area. 3.) Collect data from Whole sale market and calculate inflation rate.</p>
January, 2022	<p>Ch. 13) market equilibrium under perfect competition and effects of shifts in demand and supply Indian economic development:- Unit 1.) Development policies and experience (1947-1990)</p>
February, 2022	Revision for final exam
March, 2022	Final examination

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SPLIT-UPSYLLABUS

SESSION2022-23

CLASS:XI

SUBJECT:COMPUTERSCIENCE(083)

S.NO.	Month	NameofLesson	Tentative No. of Theory Periods Required	Tentative No. of Practical Periods Required
1.	April-May	-----	----- -	
2.	July	Unit 1: Computer Systems and Organisation (CSO) <ul style="list-style-type: none">• Basic computer organisation: description of a computer system and mobile system, Hardware, SoftwareCPU,memory,harddisk, I/O, battery, power, Memory units(PB)• Types of software: application, System, utility, language translators• Operating System, functions of O.S, Unit 2 : Programming and Computational Thinking (PCT-1) <ul style="list-style-type: none">• Basics of Computational Thinking: Decomposition, Pattern Recognition/ Data representation, Generalization/Data Abstraction and algorithm. Basic concepts of flowchart.• Familiarization with the basics of Python programming: a simple "hello world" program, process of writing a program,	20	12

		<p>(Interactive&Scriptmode),runningit, and print statements; simple data-types: integer, float, string</p> <ul style="list-style-type: none"> • Features of Python, Python Character Set, Token & Identifiers, Keywords, Literals, Delimiters, operators. • Comments: (Single line & Multiline/ Continuation statements), Clarity & Simplification of expression 		
3.	August	<ul style="list-style-type: none"> • Introduce the notion of a variable, and methods to manipulate it (concept of L- value and R-value even if not taught explicitly) • Knowledgeofdatatypesandoperators: accepting input from the console, assignment statement, expressions, operators and their precedence. • Operators & types: Binary operators- Arithmetic, Relational operators, Logical Operators, Augmented Assignment operators. • Expressions, statement, type conversion &input/output ,precedenceof operators, expression, type conversion. • Errors: syntax errors,logical errors, runtime errors. • Flow of control: indentation,sequentialflow,conditional and iterative flow control 	20	12
4.	September	<ul style="list-style-type: none"> • Conditionalstatements:if,if-else, if-elif-else;simpleprograms:e.g.:absolute value, sort 3 numbers, divisibility. <p>September Exams</p>	10	4

5.	October	<ul style="list-style-type: none"> • Notion of iterative computation and control flow: for, while, flowcharts, break and continue, nested loops. decision trees and pseudo code; write a lot of programs: interest calculation, primarily testing, factorials etc. • Idea of debugging: errors and exceptions;debugging:pdb,break • Strings: introduction,Indexing,Stringoperations,traversing using loops,Built in functions. 	22	10
6.	November	<ul style="list-style-type: none"> • Lists, tuples and dictionary: finding the maximum, minimum, mean; linear search on list/tuple of numbers, and counting the frequency of elements in a list using a dictionary. Introduce the notion of accessing elements in a collection using numbers and names. • Tuple: Indexing, tuple operations,built in functions.programs using tuples. • Dictionary: Introduction ,Accessing items using keys,mutability of dictionary,traversing, built in functions, creating dictionary, Programs using Dictionary. 		

7.	December	<ul style="list-style-type: none"> • Introduction to Python modules: Importing math (sqrt, cell, floor, pow, fabs,sin,cos,tan,random(random, randint, randrange), statistics (mean, median,mode) modules • Introduction to Python modules: Importing math (sqrt, cell, floor, pow, fabs,sin,cos,tan,random(random, randint, randrange), statistics (mean, median,mode) modules <p>Project Work</p>		
8.	January	<p>Unit4:Society, Law and Ethics(SLE-1)-</p> <ul style="list-style-type: none"> • Digital footprint, net etiquettes, communication and social media etiquettes. • Intellectual property right, open source software and licensing <p>Cyber safety</p> <ul style="list-style-type: none"> • Cyber safety: safely browsing the web, identity protection, confidentiality, social networks, cyber trolls and bullying. • Safely accessing web sites: adware, malware, viruses, Trojans. • Safely communicating data: secure connections, eavesdropping, and phishing and identity verification. • E-waste Management, Indian IT act • Gender and disability issues while teaching and using computers. 	18	18
9.	February	<ul style="list-style-type: none"> • Revision and Practice of Sample Question Papers • Project Work and Practical submission 	22	8
10.	March	SESSION ENDING EXAMINATION		
TOTAL		144	102	

UNIT-WISE BIFURCATED SYLLABUS
Subject - Geography Class XI

Month	Syllabus
July	Part A: Fundamentals of Physical Geography Unit 1: Geography as a Discipline Geography as an integrating discipline, as a science of spatial attributes Branches of Geography: Physical Geography and Human Geography Unit 2: The Earth Origin and evolution of the earth Interior of the earth Earthquakes and volcanoes: causes, types and effects Distribution of oceans and continents : Wegener's continental drift theory and plate tectonics

August	<p>Unit 3: Landforms Geomorphic processes: weathering; mass wasting; erosion and deposition; soil-formation Landforms and their evolution- Brief erosional and depositional features</p>
September	<p>Revision and Exam</p>
October	<p>Unit 4: Climate Atmosphere- composition and structure; elements of weather and climate Solar Radiation-Insolation-angle of incidence and distribution; heat budget of the earthheating and cooling of atmosphere (conduction, convection, terrestrial radiation and advection); temperature- factors controlling temperature; distribution of temperature-horizontal and vertical; inversion of temperature Atmospheric circulation and weather systems - Pressure-pressure belts; winds-planetary, seasonal and local; air masses and fronts; tropical and extra tropical cyclones Water in the atmosphere-Precipitation,evaporation; condensation-dew, frost, fog, mist and cloud; rainfall-types and world distribution,World Climate and Global Concerns</p>
November	<p>Unit 5: Water (Oceans) Basics of Oceanography Oceans - distribution of temperature and salinity Movements of ocean water-waves, tides and currents; submarine reliefs Unit 6: Life on the Earth Biosphere - importance of plants and other organisms; biodiversity and conservation</p>
December	<p>Part B: India-Physical Environment Unit 7: Introduction India : Location, space relations, India's place in the world Unit 8: Physiography Structure and Relief; Physiographic Divisions Drainage systems: Concept of river basins, watershed; the Himalayan and the Peninsular rivers</p>
January	<p>Unit 9: Climate, Vegetation and Soil Weather and climate - spatial and temporal distribution of temperature, Indian monsoon: mechanism, onset and withdrawal Natural vegetation-forest types and distribution; wild life; conservation; biosphere reserves</p>
February	<p>Unit 10: Hazards and Disasters: Causes, Consequences and Management ,Floods, Cloudbursts Droughts: types and impact Earthquakes and Tsunami Cyclones: features and impact Landslides</p>
March	

Class - 11
Subject -History

Month	Syllabus
July	1 The students will be able to know about the nature of early urban societies and growth of towns. 2 An exposure to the different events in the world 3 An empire across three continents
August	4 The students will come to know about the impact of major world empires and their impact on world economy 5 Nomadic Empires
September	Students will be able to tell about nomadic people's life social life economic life political life 6 The Three Orders
October	The students will come to know about Renaissance, and will be able to explore the cultural changes from the period of feudalism. 7 Changing Cultural Traditions
November	Students will be able to explain the meaning of the Renaissance and the effect of the latter 10 Displacing Indigenous People, Map November Students will be able to tell each other about trips made by travelers or by Europeans 11 Paths to Modernization, Project Work
December	Students will come to know about the transformations and their forms in the modern world.
January	
February	
March	

GURUKUL SR. SEC. SCHOOL
CLASS 11th
MONTHLY SYLLABUS
SUB:- PHYSICAL EDUCATION
2022-2023

MONTH	CHAPTER
APRIL	CH-1 TRANDS AND CARRER IN PHYSICAL EDUCATION ACTIVITY:- MARKING OF KHO-KHO GROUND
MAY	CH-2 OLYMPISM ACTIVITY:- PROVIDE THE BASIC KNOWLEDGE OF BASKETBALL
SUMMER BREAK	
JULY	CH-3 YOGA CH-4 CWSN IN SPORTS CH-5 SPORTS AND NUTRIENTS ACTIVITY:- GIVING THE BASIC KNOWLEDGE OF YOGA
AUGUST	CH-7 PHYSICAL EDUCATION AND SPORTS FOR CWSN ACTIVITY:- MARKING OF VOLLYBALL GORUND AND GIVING THE KNOWLEDGE OF MASS PT STANDING AND SITTING AND START PRECTICAL NOTE BOOK
SEPTEMBER	CH-6 TEST, MEASUREMENT AND EVALUATION ACTIVITY:- PRECTICAL WILL BE CONDUCT OF SAME TASK BMI AND MEASUREMENT
OCTOBER	CH-8 FUNDAMENTAL OF KINESIOLOGY AND BIO MACHANIES IN SPORTS ACTIVITY:- MARKING OF KABADDI GOUND AND DUMBLE MASS PT
NOVEMBER	CH-9 PSYCHOLOGY AND SORTS ACTIVITY:- MARKING OF TRACK AND FIELD EVENTS
DECEMBER	CH-10 TRAINING AND DOPING IN SPORTS ACTIVITY:- GIVING THE KNOWLEDGE OF BASKET BALL GROUND
JANUARY	REVISION AND CONDUCT THE CLASS TEST
FEBRUARY	REVISION AND CONDUCT THE CLASS TEST

