

DAV PUBLIC SCHOOLS , JHARKHAND ZONE -F

Syllabus for 2021-22

SYLLABUS: CLASS XI ENGLISH CORE

SESSION : 2021-2022

MONTH	HORNBILL	SNAPSHOT	WRITING SKILL
April	The Potrait of a Lady(Fiction 1)	The Summer of the Beautiful White Horse	Notice Writing
	A Photograph (Poem 1)		Note Making and Summarization
	Introduction of syllabus, marking scheme and blue print of the question paper as per CBSE		
May	We're Not Afraid To Die(F2)	The Address	Classified Advertisements
	The Laburnum Top(P2)		
June	The Laburnum Top	Ranga's Marriage	Advertisement (cont.)
June	Discovering Tut : The Saga Continues		
July	Landscape of the Soul	Albert Einstein at School	Letter(Complaint, Inquiry, Placing order
	The Voice of the Rain		Cancellation of Order
August	The Ailing Planet	Mother's Day	Job Application
	Childhood		Letter to Editor
September	REVISION : TERM ONE		Speech, Article
October	The Browning Version	The Ghat of the Only World	Poster, Debate
November	The Adventure	Birth	Report Writing
	Father to Son		
December	Silk Road	The Tale of Melon City	Letter to School or College Authorities

January	REVISION (Whole Syllabus)		
February	Session End Exam		

WEIGHTAGE TO DIFFERENT QUESTIONS

TYPE OF QUESTION	LA (5marks)	SA (3marks)	SA (2marks)	MCQ (1mark)	TOTAL MARKS
NO. OF QUES	5	3	3	40
MARKS	25	9	6	40	80

WEIGHTAGE TO CONTENT

<u>PARTS</u>	<u>MCQ PLUS SUBJECTIVE</u>	<u>TOTAL MARKS</u>
PART A AND PART B	Reading Skills	26
	Writing Skills and Grammar	40
	Literature	30
Total Marks		80

WEIGHTAGE TO DIFFICULTY LEVEL

1	Difficult Questions	37%		
2	Average Questions	40.50%		
3	Easy Questions	22.50%		

डीएवी पब्लिक स्कूल
सत्र 2021-22
वर्ग 11 के लिए हिंदी सिलेबस

प्रथम सत्र

आरोह-भाग 1

गद्य- नमक का दारोगा, मियां नसीरुद्दीन , अपू के साथ ढाई साल, विदाई संभाषण,
गलता लोहा ,स्पीति में बारिश

पद्य- कबीर दास ,मीराबाई, रामनरेश त्रिपाठी ,सुमित्रानंदन पंत, भवानी प्रसाद मिश्र

अभिव्यक्ति और माध्यम

जनसंचार माध्यम ,पत्रकारिता के विविध आयाम, डायरी ,कार्यालयी लेखन ,फीचर
,आलेख, समाचार निर्माण

द्वितीय सत्र

आरोह-भाग 1

गद्य- बाकी बचे सभी पाठ

पद्य- बाकी बची सभी कविताएं

अभिव्यक्ति और माध्यम

जनसंचार माध्यम ,पत्रकारिता के विविध आयाम, डायरी ,कार्यालयी लेखन ,फीचर
,आलेख, समाचार निर्माण

DAV PUBLICSCHOOLS, JHARKHAND ZONE – F
SYLLABUS
CLASS XI
SUBJECT – MATHEMATICS -041 [SCIENCE]

Month	Chapter's Name	Topic
July	1. Sets 2. Relations & Functions	1. Sets and their representations, Empty set, Finite and Infinite sets, Equal sets, Subsets,. Subsets of a set of real numbers especially intervals (with notations). Power set. Universal set. Venn diagrams. Union and Intersection of sets. Difference of sets. Complement of a set. Properties of Complement. 2. Ordered pairs. Cartesian product of sets. Number of elements in the Cartesian product of two finite sets. Cartesian product of the set of reals with itself (upto $R \times R \times R$). Definition of relation, pictorial diagrams, domain, co-domain and range of a relation. Function as a special type of relation. Pictorial representation of a function, domain, co-domain and range of a function. Real valued functions, domain and range of these functions, constant, identity, polynomial, rational, modulus, signum, exponential, logarithmic and greatest integer functions, with their graphs. Sum, difference, product and quotients of functions.
August	1. Trigonometric Functions 2. Principle of Mathematical Induction	1. Positive and negative angles. Measuring angles in radians and in degrees and conversion from one measure to another. Definition of trigonometric functions with the help of unit circle. Truth of the identity $\sin^2 x + \cos^2 x = 1$, for all x . Signs of trigonometric functions. Domain and range of trigonometric functions and their graphs. Expressing $\sin (x \pm y)$ and $\cos (x \pm y)$ in terms of $\sin x$, $\sin y$, $\cos x$ & $\cos y$ and their simple applications. Deducing identities like the following: $\tan(x \pm y) = \frac{\tan x \pm \tan y}{1 \mp \tan x \tan y}, \cot(x \pm y) = \frac{\cot x \cot y \mp 1}{\cot y \pm \cot x}$ $\sin \alpha \pm \sin \beta = 2 \sin \left(\frac{\alpha \pm \beta}{2} \right) \cos \frac{1}{2} (\alpha \mp \beta)$ $\cos \alpha + \cos \beta = 2 \cos \frac{1}{2} (\alpha + \beta) \cos \frac{1}{2} (\alpha - \beta)$ $\cos \alpha - \cos \beta = -2 \sin \frac{1}{2} (\alpha + \beta) \sin \frac{1}{2} (\alpha - \beta)$ Identities related to $\sin 2x$, $\cos 2x$, $\tan 2x$, $\sin 3x$, $\cos 3x$ and $\tan 3x$. General solution of trigonometric equations of the type $\sin y = \sin a$, $\cos y = \cos a$ and $\tan y = \tan a$. 2. Process of the proof by induction, motivating the application of the method by looking at natural numbers as the least inductive subset of real numbers. The principle of mathematical induction and simple applications.
September	1. Complex Numbers and Quadratic Equations 2 Linear Inequalities	1. Need for complex numbers, especially $\sqrt{-1}$, to be motivated by inability to solve some of the quadratic equations. Algebraic properties of complex numbers. Arg and plane and polar representation of complex numbers. Statement of Fundamental Theorem of Algebra, solution of quadratic equations (with real coefficients) in the complex number system. Square root of a complex number. 2. Linear inequalities. Algebraic solutions of linear inequalities in one variable and their representation on the number line. Graphical solution of linear inequalities in two variables. Graphical method of finding a solution of system of linear inequalities in two variables.

October	1. Sequence and Series 2. Introduction to Three-dimensional Geometry	1. Sequence and Series. Arithmetic Progression (A. P.). Arithmetic Mean (A.M.) Geometric Progression (G.P.), general term of a G.P., sum of n terms of a G.P., infinite G.P. and its sum, geometric mean (G.M.), relation between A.M. and G.M. Formulae for the following special sums. $\sum_{k=1}^n k$, $\sum_{k=1}^n k^2$ and $\sum_{k=1}^n k^3$ 2. Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points and section formula.
November	1. Permutations and Combinations 2. Binomial Theorem	1. Fundamental principle of counting. Factorial n . ($n!$) Permutations and combinations, derivation of Formulae for nPr and nCr and their connections, simple applications. 2. Historical perspective, statement and proof of the binomial theorem for positive integral indices. Pascal's triangle, General and middle term in binomial expansion, simple applications.
December	1. Coordinate Geometry 2. Conic Sections	1. Brief recall of two dimensional geometry from earlier classes. Shifting of origin. Slope of a line and angle between two lines. Various forms of equations of a line: parallel to axis, point-slope form, slope-intercept form, two-point form, intercept form and normal form. General equation of a line. Equation of family of lines passing through the point of intersection of two lines. Distance of a point from a line. 2. Sections of a cone: circles, ellipse, parabola, hyperbola, a point, a straight line and a pair of intersecting lines as a degenerated case of a conic section. Standard equations and simple properties of parabola, ellipse and hyperbola. Standard equation of a circle.
January & February	1. Limits and Derivatives 2. Mathematical Reasoning 3. Statistics and Probability	1. Derivative introduced as rate of change both as that of distance function and geometrically. Intuitive idea of limit. Limits of polynomials and rational functions trigonometric, exponential and logarithmic functions. Definition of derivative relate it to slope of tangent of the curve, derivative of sum, difference, product and quotient of functions. Derivatives of polynomial and trigonometric functions. 2. Mathematically acceptable statements. Connecting words/ phrases - consolidating the understanding of "if and only if (necessary and sufficient) condition", "implies", "and/or", "implied by", "and", "or", "there exists" and their use through variety of examples related to real life and Mathematics. Validating the statements involving the connecting words, difference among contradiction, converse and contrapositive. 3. Measures of Dispersion: Range, Mean deviation, variance and standard deviation of ungrouped/grouped data. Analysis of frequency distributions with equal means but different variances. Random experiments; outcomes, sample spaces (set representation). Events; occurrence of events, 'not', 'and' and 'or' events, exhaustive events, mutually exclusive events, Axiomatic (set theoretic) probability, connections with other theories of earlier classes. Probability of an event, probability of 'not', 'and' and 'or' events.

Marking Scheme

COURSE STRUCTURE

CLASS XI (2021-22)

One Paper

Total Period–240 [35 Minutes each]

Three Hours

Max Marks: 80

No.	Units	No. of Periods	Marks
I.	Sets and Functions	60	23
II.	Algebra	70	30
III.	Coordinate Geometry	40	10
IV.	Calculus	30	05
V.	Mathematical Reasoning	10	02
VI.	Statistics and Probability	30	10
	Total	240	80
	Internal Assessment		20

DAV PUBLIC SCHOOLS, JHARKHAND ZONE F
MONTHLY SYLLABUS FOR THE SESSION 2021-22

CLASS – XI

SUBJECT - PHYSICS

MONTH	UNIT / CHAPTER	PORTION TO BE COVERED
APRIL	UNIT -1 / CHAPTER- 2	Units and Measurements Need for measurement ; Units of measurements; Systems of units; SI units, fundamental and derived units, Length, mass and time measurements, Accuracy and precision of measuring instruments, Errors in measurement, Significant figures, Dimensions of physical quantities, dimensional analysis and it's applications
MAY	UNIT – 2 / CHAPTER - 3	Motion in a Straight Line Elementary concepts of differentiation and integration of describing motion, uniform and non uniform motion, avg speed and instantaneous velocity, uniformly accelerated motion, velocity time , position time graphs. Relations for uniformly accelerated motion (graphical treatment)
JUNE	UNIT – 2 / CHAPTER - 4	Motion in a Plane Scalar and vector quantities: Position and displacement vectors, general vectors and their notation, Equality of vectors, multiplication of vectors by a real no., Addition and subtraction of vectors, Relative velocity, Unit vector, Resolution of vector, vector in a plane, Rectangular components .Scalar and vector products of vectors.
JULY	UNIT -2 / CHAPTER – 4 UNIT – 3 / CHAPTER – 5	Motion in a plane, cases of uniform velocity and uniform acceleration- Projectile motion. Uniform circular motion. Laws of Motion Intuitive concept of force, Inertia, Newton's first law of motion; momentum and Newton's second law of motion; impulse; Newton's third law of motion. Law of conservation of linear momentum and its applications. Equilibrium of concurrent forces, Static and kinetic friction, laws of friction, rolling friction. Dynamics of uniform circular motion: Centripetal force, examples of circular motion (vehicle on a level circular road, vehicle on a banked road)
AUGUST	UNIT – 4 / CHAPTER – 6	Work, Energy and Power Work done by a constant force and a variable force; kinetic energy, work energy theorem, power. Notion of potential energy, potential energy of a spring, conservative forces: conservation of mechanical energy (kinetic and potential energies); non conservative forces: motion in a vertical circle; elastic and inelastic collisions in one and two dimensions.
SEPTEMBER	UNIT – 5 / CHAPTER – 7	Motion of System of Particles and Rigid Body System of Particles and Rotational Motion Centre of mass of a two-particle system, momentum conservation and centre of mass motion. Centre of mass of a rigid body; centre of mass of a uniform rod. Moment of a force, torque, angular momentum, law of conservation of angular momentum and its applications. Equilibrium of rigid bodies, rigid body rotation and equations of rotational motion, comparison of linear and rotational motions. Moment of inertia, radius of gyration, values of moments of inertia for simple geometrical objects (no derivation). Statement of parallel and perpendicular axes theorems and their applications.
OCTOBER	UNIT – 6 / CHAPTER - 8	Gravitation Kepler's laws of planetary motion, universal law of gravitation. Acceleration due to gravity and its variation with altitude and depth. Gravitational potential energy and gravitational potential, escape velocity, orbital velocity of a satellite, Geo-stationary satellites

NOVEMBER	UNIT - 7 / CHAPTER – 9	Mechanical Properties of Solids Elastic behaviour, Stress-strain relationship, Hooke's law, Young's modulus, bulk modulus, shear modulus of rigidity, Poisson's ratio; elastic energy Mechanical Properties of Fluids Pressure due to a fluid column; Pascal's law and its applications (hydraulic lift and hydraulic brakes), effect of gravity on fluid pressure. Viscosity, Stokes' law, terminal velocity, streamline and turbulent flow, critical velocity, Bernoulli's theorem and its applications. Surface energy and surface tension, angle of contact, excess of pressure across a curved surface, application of surface tension ideas to drops, bubbles and capillary rise.
	UNIT - 7 / CHAPTER – 10	
DECEMBER	UNIT – 8 /CHAPTER –11 & 12	Thermal Properties of Matter Heat, temperature, thermal expansion; thermal expansion of solids, liquids and gases, anomalous expansion of water; specific heat capacity; Cp, Cv - calorimetry; change of state - latent heat capacity. Thermodynamics : Thermal equilibrium and definition of temperature (zeroth law of thermodynamics), heat, work and internal energy. First law of thermodynamics, isothermal and adiabatic processes. Second law of thermodynamics: reversible and irreversible processes, Heat engine and refrigerator. Behaviour of Perfect Gases and Kinetic Theory of Gases Equation of state of a perfect gas, work done in compressing a gas. Kinetic theory of gases - assumptions, concept of pressure. Kinetic interpretation of temperature; rms speed of gas molecules; degrees of freedom, law of equi-partition of energy (statement only) and application to specific heat capacities of gases; concept of mean free path, Avogadro's number
	UNIT – 8 / CHAPTER – 13	
JANUARY	UNIT – 9 / CHAPTER – 14	Oscillations : Periodic motion - time period, frequency, displacement as a function of time, periodic functions. Simple harmonic motion (S.H.M) and its equation; phase; oscillations of a loaded spring- restoring force and force constant; energy in S.H.M. Kinetic and potential energies; simple pendulum derivation of expression for its time period. Free, forced and damped oscillations (qualitative ideas only), resonance. Waves : Wave motion: Transverse and longitudinal waves, speed of travelling wave, displacement relation for a progressive wave, principle of superposition of waves, reflection of waves, standing waves in strings and organ pipes, fundamental mode and harmonics, Beats, Doppler effect.
	UNIT – 9 / CHAPTER – 15	

BLUE PRINT OF QUESTION PAPER - 2021-22 [FIRST TERM]

UNIT	1 MARK	2 MARKS	3MARKS	4 MARKS	5 MARKS	TOTAL
1 – Measurement	4	3	-	-	1	15
2 - Motion in a Straight Line	3	2	1	-	-	10
3 - Motion in a Plane	1	1	1	1	1	15
4 - Laws of Motion	3	1	2	- 1	-	15
5 - Work, Energy and Power	3	2	1	-	1	15
TOTAL MARKS	14	18	15	8	15	70

DAV PUBLIC SCHOOLS , JHARKHAND ZONE -F

Syllabus for 2021-22

Subject: Chemistry

Class: XI

Month	Chapter number and name	Lab Activity	Chapter wise weightage
April	1) Some basic concepts of chemistry	Qualitative Analysis <ul style="list-style-type: none">• Introduction• Anion Test (Carbonate ion)	12
May	2) Structure of Atom	<ul style="list-style-type: none">• Acetate and Nitrate ion	15
June	3) Classification of elements and periodicity in properties	<ul style="list-style-type: none">• Chloride and Sulphate ion	13
July	4) Chemical bonding	Quantitative Analysis <ul style="list-style-type: none">• Introduction	18
Aug	5) States of Matter	<ul style="list-style-type: none">• Titration of Na_2CO_3 with HCl	12
Sep	Revision 1 st Term		70

Blueprint for Half Yearly Exam Question Paper

There will be no overall choice. However, internal choices will be given.

Part-A: Objective type paper

Type	Marks for each question	Number of questions	Total marks	Percentage
Objective	1	19	19	54.29%
	2	5	10	28.57%
Case based	3	2	6	17.14%
Total		26	35	100%

Part-B: Descriptive paper

Type	Marks for each question	Number of questions	Total marks	Percentage
Short answer I	2	4	8	22.86%
Short answer II	3	4	12	34.28%
Long answer	5	3	15	42.86%
Total		11	35	100%

DAV PUBLIC SCHOOLS , JHARKHAND ZONE –F
CLASS –XI BIOLOGY
BLUE PRINT FOR FIRST TERMINAL EXAMINATION 2021-22

			SEC-A	SEC-B	SEC -C	SEC-D	SEC-E	
Unit no.	Title(Topic)	Wieghtage	No. of Questions	No. of Questions	No. of Questions	No. of questions	No.of questions	TOTAL
			carry 1 mark(vsa)	Case based Question	carrying 2 marks (SA)	carrying 3 marks(LA-I)	carrying 5 marks(LA-II)	
I	Diversity of living organism	20	4(1)	1(4)	2(2)	1(3)	1(5)	20
II	Structural Organisation in Plants and Animals	20	3(1)	1(5)	2(2)	1(3)	1(5)	20
III	Cell : Structure and Function	30	7(1)	1(5)	2(2)	3(3)	1(5)	30
	TOTAL		14(14)	3(14)	6(12)	5(15)	3(15)	31(70)

Monthwise breakup of Syllabus
Class-XI - BIOLOGY
First term 2021-22

TITLE(TOPIC)	MONTH OF COMPLETION
Diversity of living organism	JUNE
Structural Organisation in Plants and Animals	JULY
Cell : Structure and Function	AUGUST

DAV PUBLIC SCHOOLS , JHARKHAND ZONE F
SYLLABUS (2021-22)

CLASS:-XI

SUBJECT:-COMPUTER SCIENCE

MONTH & YEAR	UNIT & TOPIC	SUB TOPIC	MARKS
May-2021	UNIT-1 computer system and organization	<p>Introduction to computer system, hardware, software, input devices, output device, CPU- primary memory, cache and secondary, all units of memory</p> <p>Types of software-system software and its kinds, application software, utilities</p> <p>Operating system and its functions</p> <p>Boolean logic-and, or, not, nand, nor, xor and xnor gates. truth table, all boolean laws, logic gate diagrams</p> <p>Number system-binary, octal, decimal and hexadecimal number system, conversion of number system from one system to other number system</p> <p>Encoding schemes-ASCII, ISCII and UNICODE(UTF-8, UTF-32)</p> <p>Emerging Trends-cloud computing, cloud services (Saas,Iaas,PaaS), block chains, artificial intelligence. machine learning, internet of things</p>	10
june-2021	UNIT-II Computational Thinking and programming -1	<p>Introduction to problem solving ,concept of algorithms using flow charts, pseudo code, decomposition</p> <p>introduction to python programming , interactive mode, script mode</p> <p>Python Fundamentals, python character set, python tokens, (key word, identifiers, literal, operator, punctuation) use of comments(single line and multiline comment statements) single line strings and multiline strings</p> <p>Data types, concept of mutable and immutable data types, number, boolean, sequence(list, tuple, string) mapping(dictionary)</p> <p>Operators:arithmetic operators, logical operators, relational operator, augmented assignment operators, identity operators, membership operators, precedence of operators, input/output, expression, statement, type conversion,(explicit and implicit conversion)</p> <p>Errors :-syntax errors, logical errors, runtime errors.</p>	45
july, 2021	UNIT-II Computational	flow of control,use of indentation, sequential flow, conditional and iterative control	

	Thinking and programming -1	conditional statements if, if-else, flow charts, simple programs iterative statements:-for loop, range function, while loop	
August, 2021	UNIT-II Computational Thinking and programming -1	nested loops, break, continue, and programs based on that. flow charts for loop programs -programs based on loops	
September,2021		Revision of all units and half yearly exam	
October,2021	UNIT-II Computational Thinking and programming -1	introduction to lists, indexing, list operations (concatenation, repetition, membership & slicing), traversing a list using loops, built-in functions: len(), list(), append(), extend(), insert(), count(), index(), remove(), pop(), reverse(), sort(), sorted(), min(), max(), sum(); nested lists, suggested programs: finding the maximum, minimum, mean of numeric values stored in a list; linear search on list of numbers and counting the frequency of elements in a list Sorting techniques: Bubble and Insertion sort	
November,2021	UNIT-II Computational Thinking and programming -1	strings-Introduction to strings , forward accessing, accessing elements in backward direction, string slicing, traversing of the strings using loops, built in functions(len, split(), strip(), lstrip(), rstrip(), capitalize(), title(), lower(), upper(), islower(), isupper(), isdigit(), isalpha(), isalnum(), isspace(), endswith(), startswith(), replace(), join(), index(), partition() etc) Tuples: introduction, indexing, tuple operations (concatenation, repetition, membership & slicing), built-in functions: len(), tuple(), count(), index(), sorted(), min(), max(), sum(); tuple assignment, nested tuple, suggested programs: finding the minimum, maximum, mean of values stored in a tuple; linear search on a tuple of numbers, counting the frequency of elements in a tuple	
December,2021	UNIT-II Computational Thinking and programming -1	<ul style="list-style-type: none"> Dictionary: introduction, accessing items in a dictionary using keys, mutability of dictionary traversing a dictionary, built-in functions: len(), dict(), keys(), values(), items(), (adding a new item, modifying an existing item), get(), update(), del(), clear(), fromkeys(), copy(), pop(), popitem(), setdefault(), max(), min(), count(), sorted(), copy(); suggested programs : count the number of times a character appears in a given string using a dictionary, create a dictionary with names of employees, their salary and access them Introduction to Python modules: Importing module using 'import <module>' and using from statement, Importing math module (pi, e, sqrt, ceil, floor, pow, fabs, sin, cos, tan); random module (random, randint, randrange), statistics module (mean, median, mode)	

January,2021	Unit-III Society, Law and Ethics	<p>Digital Footprints</p> <p>Digital society and Netizen: net etiquettes, communication etiquettes, social media etiquettes</p> <p>Data protection: Intellectual Property Right (copyright, patent, trademark), violation of IPR (plagiarism, copyright infringement, trademark infringement), open source softwares and licensing (Creative Commons, GPL and Apache)</p> <p>Cyber-crime: definition, hacking, eavesdropping, phishing and fraud emails, ransomware, preventing cyber crime</p> <p>Cyber safety: safely browsing the web, identity protection, confidentiality, cyber trolls and bullying.</p> <p>Safely accessing web sites: malware, viruses, trojans, adware</p> <p>E-waste management: proper disposal of used electronic gadgets</p> <p>Indian Information Technology Act (IT Act)</p> <p>Technology & Society: Gender and disability issues while teaching and using computers</p>	15
February, 2021		REVISION-Final exam	

BLUE PRINT FOR TERM-1

SESSION-2021-22

SUB:-COMPUTER SCIENCE

CLASS:XI

FULL MARKS:70(THEORY)+30(PRACTICAL)

UNIT NO	CHAPTER NAME	WEIGHTAGE (MARKS)	TOTAL MARKS UNIT-WSIE	NO OF QUESTIONS CARRYING (1 MARK)	NO. OF QUESTIONS CARRYING (2 MARKS)	NO. O F QUESTIONS CARRYING (3 MARKS)	NO OF QUESTIONS CARRYING (4 MARKS)	NO OF QUESTIONS CARRYING (5 MARKS)	TOTAL NO OF QUESTIONS (MARKS)
1	Computer Systems and organization Basic computer organization Software	07	25	5(5)	2(4)				7(9 MARKS)
	Number System-ascii, iscii,Unicode	09			2(4)			1(5)	3(9 MARKS)
	Boolean Algebra	09			2(4)	1(3)			3(7 MARKS)
2	Flow chart	05	45					1(5)	1(5 MARKS)
	Introduction to Python 1. Getting started with python 2. Python Fundamentals 3. Data handling	20		8(8)	2(4)	1(3)	1(4)		12(19 MARKS)
	Programming in Python Conditional statements, loops,nested loops	20		2(2)	2(4)	2(6)	1(4)	1(5)	8(21 MARKS)
	TOTAL NO. OF QUESTIONS(MARKS)		70	15(15)	10(20)	4(12)	2(8)	3(15)	34(70)

DAV PUBLIC SCHOOLS , JHARKHAND ZONE -F**SYLLABUS OF INFORMATICS PRACTICES (PYTHON) 2020-21 CLASS- XI**

SNO	NAME OF CHAPTER	MONTHS
1	BASIC COMPUTER ORGANIZATION	MAY
2	GETTING STARTED WITH PYTHON	
3	PYTHON FUNDAMENTALS	JUNE
4	CONDITIONAL AND LOOPING CONSTRUCT	JULY
6	DATABASE CONCEPT AND SQL	AUGUST & SEPTEMBER
HALF YEARLY EXAM		
7	LIST IN PYTHON	OCTOBER
8	DICTIONARIES	NOVEMBER
9	UNDERSTANDING DATA	DECEMBER
10	NUMPY	JANUARY
11	EMERGING TRENDS	FEBRUARY

1. Distribution of Marks and Periods(Annual)

Unit No	Unit Name	Marks	Periods Theory	Periods Practical	Total Period
1	Introduction to computer system	10	10	-	10
2	Introduction to Python	25	35	28	63
3	Database concepts and the Structured Query Language	30	23	17	40
4	Introduction to Emerging Trends	5	7	-	7
	Practical	30	-	-	-
	Total	100	75	45	120

SUBJECT: INFORMATICS PRACTICES (New)

Code: 065.

BLUE PRINT (HALF YEARLY)

SNO	NAME OF CHAPTER	MONTHS	WEIGHTAGE
1	BASIC COMPUTER ORGANIZATION	MAY	15
2	GETTING STARTED WITH PYTHON		5
3	PYTHON FUNDAMENTALS	JUNE	15
4	CONDITIONAL AND LOOPING CONSTRUCT	JULY	15
6	DATABASE CONCEPT AND SQL	AUGUST & SEPTEMBER	20
7	PRACTICAL		30
8	TOTAL		100

DAV PUBLIC SCHOOLS , JHARKHAND ZONE –F
2021-22

CLASS XI APPLIED MATHS(241)
SYLLABUS AND BLUEPRINT

MONTH	CHAPTER WITH TOPICS
APRIL	PHYSICS – <u>ELECTRICITY</u> Electric current , potential difference and electric current, Ohm’s law , Resistance , Resistivity CHEMISTRY-<u>Chemical reactions and equations</u> Types of chemical equation, Significance of state symbol, Exothermic and endothermic reactions BIOLOGY - LIFE PROCESSES NUTRITION – AUTOTROPHIC NUTRITION -PLANT
MAY	PHYSICS – <u>ELECTRICITY</u> Factors on which the resistance of a conductor depends, Combinations of resistors and its applications in daily life, Heating effect of electric current and its applications in daily life CHEMISTRY - <u>Chemical reactions and equations</u> Types of chemical reaction-Activities, Redox reactions BIOLOGY-HETEROTROPHIC NUTRITION-SAPROTROPH, PARASITE, HOLOZOIC NUTRITION-AMOEBA, HUMAN BEINGS
JUNE	PHYSICS – <u>ELECTRICITY</u> Electric power , interrelation between power, voltage, electric current and resistance <u>MAGNETIC EFFECTS OF ELECTRIC CURRENT</u> Magnetic field , Field lines and their properties CHEMISTRY - <u>Acid Bases and Salts</u> Classification of Acids, Classification of bases, Physical and chemical properties of acids and bases, pH scale and its uses in daily life BIOLOGY-NUTRITION IN HUMAN BEINGS
JULY	PHYSICS - <u>MAGNETIC EFFECTS OF ELECTRIC CURRENT</u> Magnetic field due to current carrying straight conductor, Magnetic field due to current carrying coil or solenoid, Force on current carrying conductor, Fleming left hand rule ,Electric motor CHEMISTRY - <u>Metal and Non-Metals</u> Classification of elements, Metal, non-metals and metalloid BIOLOGY-RESPIRATION-AEROBIC & ANAEROBIC, TRANSPORTATION IN HUMAN BEINGS & PLANTS
AUGUST	PHYSICS - <u>MAGNETIC EFFECTS OF ELECTRIC CURRENT</u> Electromagnetic induction, Induced potential difference, Induced electric current, Fleming right hand rule , Electric generator, Domestic electric circuit. CHEMISTRY- <u>Metal and Non-Metals</u> Physical and chemical properties of Metals and non- metals, Ionic compound and its properties, Reactivity series practical - Activities BIOLOGY-EXCRETION IN HUMAN BEINGS AND PLANTS OUR ENVIRONMENT-ECOSYSTEM & ITS COMPONENTS,FOOD CHAINS & FOOD WEB, OZONE LAYER
SEPTEMBER	REVISION AND EXAM

UNIT_1	<p>Numbers, Quantification and Numerical Applications</p> <ul style="list-style-type: none"> • Prime numbers, Encryptions using prime numbers • Binary numbers • Complex numbers (Preliminary idea only) • Indices, Logarithm and Antilogarithm • Laws and properties of logarithms • Simple application of logarithm and antilogarithm • Numerical problems on averages, calendar, clock, time, work and distance, mensuration, seating arrangement 	May
Unit_2	<p>Algebra</p> <ul style="list-style-type: none"> • Sets • Types of sets • Venn Diagram • De-Morgan's Laws • Problem solving using Venn diagram • Relation and types of relation • Introduction of sequence and series • Arithmetic and Geometric progression • Relationship between AM and GM • Basic concepts of Permutations and Combinations • Permutations, Circular Permutations, Permutations with restrictions • Combinations with standard results 	June + July
Unit_3	<p>Mathematical and Logical Reasoning</p> <ul style="list-style-type: none"> • Mathematically acceptable statements • Connecting words/phrases in Mathematical statement consolidating the understanding of "if and only if condition", "implies", "and/or", "implied by", "and", "or", "there exist" and their use of verity of examples related to real life and Mathematics • Problems based on logical reasoning (coding-decoding, odd man out, blood relation, syllogism etc) 	August
Unit_4	<p>Calculus</p> <ul style="list-style-type: none"> • Introducing functions • Domain and range of a function • Types of functions(Polynomial functions, Rational functions, composite functions, logarithmic function, signum function) • Graphical representation of functions • Concepts of limit and continuity of a function • Instantaneous rate of changes • Differentiation as a process of finding derivative(logarithmic, exponential, implicit i.e non trigonometric functions) • Derivative of algebraic function using Chain rule • Tangent line and equation of tangents 	September

Unit_5	Probability <ul style="list-style-type: none"> • Random experiment, Sample space, events, mutually exclusive events • Independent and dependent events • Laws of total Probability • Baye's theorem 	October
Unit_6	Descriptive Statistics <ul style="list-style-type: none"> • Types of data(raw data, univariate data, bivariate data and multi-variate data) • Data on various scales (nominal, ordinal, interval and ratio scale) • Data interpretation(central tendency, dispersion, deviation, variance, skewness and kurtosis) • Percentile rank and quartile rank • Correlation(Pearson and spearman method of correlation) • Application of descriptive statistics using real time data 	November
Unit-7	Basic and financial mathematics <ul style="list-style-type: none"> • Interest and interest rate • Accumulation with simple and compound interest • Simple and compound interest rates with equivalency • Effective rate of interest • Present value, net present value and future value • Annuities, calculating value of regular annuity • Simple application of regular annuities (up to three period) • Tax, calculation of tax and simple application of tax calculation in Goods and service tax, Income tax • Bills, tariff rates, fixed charge, surcharge, service charge • Calculation of interpretation of electricity bill, water supply bill and other supply bills (Comparing interest rates on various types of savings, calculating income tax, electricity bills, water bills, service surcharge using realistic data) 	December
Unit_8	Co-ordinate Geometry <ul style="list-style-type: none"> • Straight line • Circles • Parabola (only standard forms and graphical representation on two-dimensional plane) 	January And February

SA-1 Marking Scheme

Number Theory	5 marks
Logarithms	5 marks
Numerical Applications	15 marks
Set	9 marks
Relation	5 marks
Sequence and series	13 marks
Permutations and combinations	13 marks
Mathematical and Logical reasoning	15 marks
Total	80 marks

DAV PUBLIC SCHOOL, JHARKHAND ZONE-F
SYLLABUS FOR THE SESSION 2021-22
Class XI Accountancy (055)

UNIT	NAME	MONTH	SA 1	SA 2
	<u>PART A</u>			
1.	Theoretical Framework a. Introduction to Accounting b. Theory base of Accounting	April end May	20 20	12
2.	Accounting Process a. Recording of transactions (• Voucher and Transactions: Source documents and Vouchers, Preparation of Vouchers, Accounting Equation Approach: Meaning and Analysis, Rules of Debit and Credit.) b. Journal and GST c. Cash book and special purpose subsidiary books d. Ledger e. Trial Balance	May June-July July–August August August	40	40
	HALF YEARLY EXAMINATION (SEPTEMBER)			
	Accounting Process a. Bank Reconciliation Statement b. Depreciation, Provisions and Reserves c. Bills of Exchange d. Rectification of Errors	October October/November November/December December	--- --- --- ---	
	<u>PART B</u>			
3.	Financial Statements of Sole Proprietorship from complete and incomplete records	January	---	20
4.	Computers in Accounting	February	---	08
5.	Project work		20	20
	TOTAL		100	100
	ANNUAL EXAMINATION			

HALF YEARLY
BLUE PRINT- ACCOUNTANCY XI

UNIT	TOPIC	VSA (1mark)	SA (3marks)	LA(I) (4marks)	LA (II) (6marks)	LA (III) (8marks)	Total
1.	Theoretical Framework						
	a. Introduction to accounting	8	2	*	1	*	20
	b. Theory base of accounting	6	*	*	1	1	20
2.	Accounting Process:						
	a. Recording of transactions	2	*	1	*	*	
	b. Journal and GST	1	*	1	1	*	
	c.Cash Book and Subsidiary Books	1	*	1	*	1	40
	d. Ledger	1	*	1	*	*	
	e.Trial Balance	1	*	1	*	*	
	Total	1x20	3x2	4x5	6x3	8x2	80

ANNUAL EXAMINATION
BLUE PRINT- ACCOUNTANCY XI

UNIT	TOPIC	(1 Mark)	(3marks)	(4marks)	(6marks)	(8marks)	Total
1.	Theoretical Framework	5	1	1	*	---	12
2.	Accounting Process	8	*	3	2	1	40
3.	Financial Statement of Sole proprietorship from complete and incomplete records.	6	*	*	1	1	20
4.	Computer In Accounting	1	1	1	*	*	08
	Total	1x20	3x2	4x5	6x3	8x2	80

DAV PUBLIC SCHOOLS, JHARKHAND ZONE -F
SYLLABUS FOR THE SESSION -2021-22
CLASS XI BUSINESS STUDIES (Code No. 054)

Theory: 80 Marks

3 hours

Project: 20 Marks

Units	Chapter Name	Month	HY	ANNUAL
PART A	FOUNDATION OF BUSINESS			
1	Nature and Purpose of Business	May	20	16
2	Forms of Business Organisations	June -July	25	
3	Public,Private and Global Enterprises	July-August	15	14
4	Business Services	August - September	20	
5	Emerging Modes of Business	September		10
6	Social Responsibility of Business and Business Ethics	October		
PART B	FINANCE AND TRADE			
7	Sources of Business Finance	October		20
8	Small Business and Enterprises	November		
9	Internal Trade	December		20
10	International Business	December -January		
	PROJECT WORK		20	20
	Total Marks		100	100

BLUE PRINT XI th BUSINESS STUDIES (2020-21)

S.N	Chapter Name	1M	3M	4M	6M	Total
1	Evolution and Fundamentals of Business	6	-	2	1	20
2	Forms of Business organizations	5	2	2	1	25
3	Public, Private and Global Enterprises	5	-	1	1	15
4	Business Services	4	2	1	1	20
		20Q	4Q	6Q	4Q	80
MARK ANALYSIS						
MARKS	NO. OF QUESTION	TOT.(marks x no. Of question)		Optional/ Choice Question		
1	20	20		2		
3	4	12		2		
4	6	24		2		
6	4	24		2		
	34	80				

Note -- Blue print is as per the CBSE Sample paper (2020 -21)

APRIL (end)	UNIT-1 INTRODUCTION (INTRODUCTORY MICROECONOMICS) What is Economics; meaning of microeconomics and macroeconomics; positive and normative economics; Central problems of an economy.
MAY	UNIT-1 INTRODUCTION (INTRODUCTORY MICROECONOMICS) Concepts of production possibility frontier and opportunity cost. UNIT-1 INTRODUCTION(STATISTICS FOR ECONOMICS) Meaning, scope, functions and importance of statistics in Economics
JUNE	UNIT 2 Consumer's Equilibrium and Demand Meaning of utility, marginal utility, law of diminishing marginal utility; conditions of consumer's equilibrium using marginal utility analysis. UNIT 2 Collection, Organisation and Presentation of data Collection of data- sources of data- primary and secondary; sampling and its different types; methods of collecting data; Census of India and National Sample Survey Organization.
JULY	UNIT 2 Consumer's Equilibrium and Demand Indifference curve analysis of consumer's equilibrium; Demand; market demand; determinants of demand; demand schedule; demand curve and its slope; movement along the demand curve and shifts in the demand curve. UNIT 2 Collection, Organisation and Presentation of data Organization of data; Presentation of data- tabular and diagrammatic presentation of data; bar diagram; pie diagram; histogram; polygon; ogive; arithmetic line graph UNIT 3 STATISTICAL TOOLS AND INTERPRETATION Measures of Central Tendency- Mean; median.
AUGUST	UNIT 2 Consumer's Equilibrium and Demand Price elasticity of demand; factors affecting price elasticity of demand; measurement of price elasticity of demand. UNIT 3 STATISTICAL TOOLS AND INTERPRETATION Measures of Central Tendency- Mode REVISION
SEPTEMBER	HALF YEARLY EXAMINATION
OCTOBER	UNIT 3 Producer behaviour and Supply Meaning of production function- Short run and long run; Total product, average product, marginal product; return to a factor. UNIT 3 STATISTICAL TOOLS AND INTERPRETATION Measures of dispersion- absolute dispersion; relative dispersion; Lorenz curve- meaning, construction and its application.
NOVEMBER	UNIT 3 Producer behaviour and Supply Cost- Short run cost- total cost, total fixed cost, total variable cost, average variable cost, average fixed cost, average cost and marginal cost- meaning and their relationship. Revenue- total, average and marginal revenue- meaning and their relationship. UNIT 3 STATISTICAL TOOLS AND INTERPRETATION Correlation- meaning and properties; scatter diagram.
DECEMBER	UNIT 3 Producer behaviour and Supply Producer's equilibrium- meaning and its conditions in terms of marginal

	revenue-marginal cost; Supply, market supply, determinants of supply, movement along and shift in supply, price elasticity of supply. UNIT 4 Forms of market UNIT 3 STATISTICAL TOOLS AND INTERPRETATION Correlation- Karl Pearson's method, Spearman's rank correlation						
JANUARY	UNIT 4 Forms of market and price determination under perfect competition with simple applications. UNIT 3 STATISTICAL TOOLS AND INTERPRETATION Introduction to index number- meaning, types- WPI, CPI , index of industrial production, uses of index numbers.						
FEBRUARY	REVISION, PROJECT WORK						
MARCH	FINAL TERM EXAMINATION						
		WEIGHTAGE IN HALF YEARLY EXAMINATION					No.
			VSA 1 mark	SA 3 mark	SA 4 marks	LA 6 marks	
PART A INTRODUCTORY MICROECONOMICS	UNIT 1 INTRODUCTION	16 marks	3	1	1		5
	UNIT 2 CONSUMER'S EQUILIBRIUM AND DEMAND	24 marks	7	1	2	2	12
PART B STATISTICS FOR ECONOMICS	UNIT 1 INTRODUCTION	10 marks	2	1	1		4
	UNIT 2 COLLECTION, ORGANISATION OF DATA	10 marks	2	1		1	4
	UNIT 2 PRESENTATION OF DATA UNIT 3 MEASURES OF CENTRAL TENDENCY	20 marks	6		2	1	9
TOTAL		80 marks	20	12	24	24	34

DAV PUBLIC SCHOOLS, JHARKHAND ZONE F

GEOGRAPHY (Code No. 029)

(Session 2021-2022)

MONTH WISE SYLLABUS

CLASS- 11

S.N O	MONTH	PART - A Fundamentals of Physical Geography	PRACTICAL WORK	Part – B: India - Physical Environment
1	APRIL	Unit-1: Geography as a Discipline <ul style="list-style-type: none"> Geography as an integrating discipline, as a science of spatial attributes. Branches of Geography; Physical Geography and Human Geography. Scope and Career Options 		
2	MAY	Unit-2: The Earth <ul style="list-style-type: none"> Origin and evolution of the earth; Interior of the earth. Wegener's continental drift theory and plate tectonics. 	<ul style="list-style-type: none"> Maps - types; scales-types; construction of simple linear scale. 	Introduction <ul style="list-style-type: none"> Location, space relations, India's place in the world.
3	JUNE	Unit-3: Landforms <ul style="list-style-type: none"> Earthquakes and volcanoes: causes, types and effects Rocks: major types of rocks and their characteristics. 	<ul style="list-style-type: none"> Finding direction and use of symbols. 	<ul style="list-style-type: none"> Structure and Relief; Physiographic Divisions.
4	JULY	<ul style="list-style-type: none"> Landforms and their evolution- Brief erosional and depositional features Geomorphic processes: weathering, mass wasting, erosion and deposition; soil-formation. Unit 4: Climate <ul style="list-style-type: none"> Atmosphere- composition and structure; elements of weather and climate. 	<ul style="list-style-type: none"> Latitude, longitude and time 	<ul style="list-style-type: none"> Drainage systems: Concept of river basins, Watershed; the Himalayan and the Peninsular rivers.
5	AUGUST	<ul style="list-style-type: none"> CLIMATE(CONTD..)Insolation-angle of incidence and distribution; heat budget of the earth-heating and cooling 	construction and properties of projection: Conical with one standard parallel	<ul style="list-style-type: none"> Weather and climate - spatial and temporal distribution

		of atmosphere (conduction, convection, terrestrial radiation and advection); temperature-factors controlling temperature; distribution of temperature-horizontal and vertical; inversion of temperature. <ul style="list-style-type: none"> • Pressure-pressure belts; winds-planetary, seasonal and local; air masses and fronts; tropical and extratropical cyclones • Precipitation-evaporation; condensation-dew, frost, fog, mist and cloud; rainfall-types and world distribution. 	and Mercator's projection. (only two projections)	of temperature, pressure winds and rainfall, Indian monsoon: mechanism, onset and withdrawal, variability of rainfalls: spatial and temporal; use of weather charts.
6	SEPTEMBER	REVISION AND EXAMINATION		REVISION AND EXAMINATION
7	OCTOBER	Unit 5: Water (Oceans) <ul style="list-style-type: none"> • Climate and Global Concerns 	<ul style="list-style-type: none"> • Study of topographic maps (1 : 50,000 or 1 : 25,000 Survey of India maps); contour cross section and identification of landforms -slopes, hills, valleys, waterfall, cliffs; distribution of settlements. 	<ul style="list-style-type: none"> • Natural vegetation-forest types and distribution; wild life; conservation; biosphere reserves • Soils - major types (ICAR's classification) and their distribution, soil degradation and conservation.
8	NOVEMBER	<ul style="list-style-type: none"> • Basics of Oceanography • Oceans - distribution of temperature and salinity. 	<ul style="list-style-type: none"> • Aerial Photographs: 	Unit-10: Hazards and Disasters: Causes,

			Types and Geometry -vertical aerial photographs; difference between map and aerial photographs; photo scale determination. Identification of physical and cultural features.	Consequences and Management <ul style="list-style-type: none"> Floods, Cloudbursts Droughts: types and impact
9	DECEMBER	<ul style="list-style-type: none"> Movements of ocean water-waves, tides and currents; submarine reliefs. Ocean resources and pollution 	<ul style="list-style-type: none"> Satellite imageries, stages in remote sensing data-acquisition, platform and sensors and data products, (photographic and digital). 	<ul style="list-style-type: none"> Earthquakes and Tsunami Cyclones: features and impact Landslides
10	JANUARY	Unit 6: Life on the Earth Biosphere - importance of plants and other organisms; biodiversity and conservation; ecosystem and ecological balance. REVISION	<ul style="list-style-type: none"> Use of weather instruments: thermometer, wet and dry-bulb thermometer, barometer, wind vane, rain gauge. 	Map Work of features based on above units for locating and labelling on the Outline/Political/Physical map of India. REVISION

			REVISION	
11	FEBRUARY	REVISION AND EXAMINATION	REVISION AND EXAMINATION	REVISION AND EXAMINATION

GEOGRAPHY
XI
DESIGN

TIME- 3HRS

F.M-70

I. Weightage to form of questions:

Type of Questions	LA(5MARKS)	SA(3MARKS)	OBJECTIVE(1 MARK)	MAP WORK (5 MARKS)	TOTAL
NO OF QUESTIONS	6	4	18	2	30
MARKS	30	12	18	10	70

Part	Units	Marks
A	Fundamentals of Physical Geography	35 Marks
	Unit 1: Geography as a discipline	30
	Unit 2: The Earth	
	Unit 3: Landforms	
	Unit 4: Climate	
	Unit 5: Water (Oceans)	
	Life on the Earth	
	Map and diagram	5
B	India-Physical Environment	35 Marks
	Unit 7: Introduction	30
	Unit 8: Physiography	
	Unit 9: : Climate, vegetation and soil	
	Unit 10: : Natural hazards and disasters	
	Map Work	5
C	Practical Work in Geography Part II	30 Marks
	Unit 1: Fundamentals of Maps	10
	Unit 2: Topographic and Weather Maps	15
	Practical Record Book and Viva Voce	5

DAV PUBLIC SCHOOLS, JHARKHAND ZONE-F

MONTHLY SYLLABUS 2021-22

HISTORY - CLASS- XI

CLASS-XI: THEMES IN WORLD HISTORY (80 MARKS)		
SEC-1- 18 MARKS + SEC-2- 19 MARKS+ SEC-3- 19 MARKS+ SEC-2- 19 MARKS+5 MARKS MAP (UNITS 1- 11) =80 MARKS		
S.N.	MONTH	UNIT/CHAPTER/CONTENT
1	APRIL	Introduction to World History SECTION 1: EARLY SOCIETIES (9+9=18 MARKS) 1 Introduction : .FROM THE BEGINNING OF TIME Focus: Africa, Europe till 15000 BCE a) Views on the origins of human beings b) Early societies c) Historians' views on present-day gathering-hunting societies
2	MAY	SECTION 1: EARLY SOCIETIES 2.WRITING AND CITY LIFE Focus: Iraq, 3rd millennium BCE a) Growth of towns b) Nature of early urban societies c) Historians' Debate on uses of writing
3	JUNE	SECTION II : EMPIRES (7+6+6=19 MARKS) Introduction 3.AN EMPIRE ACROSS THREE CONTINENTS Focus: Roman Empire, 27 BCE to 600 CE a) Political evolution b) Economic Expansion c) Religion-culture foundation d) Late Antiquity e) Historians' view on the Institution of Slavery
4	JULY	SECTION II : EMPIRES 4.CENTRAL ISLAMIC LANDS a) Focus: 7th to 12th centuries Polity b) Economy c) Culture d) Historians' viewpoints on the nature of the crusades SECTION II : EMPIRES 5.Nomadic Empires Focus: The Mongol, 13th to 14th century a) The nature of nomadism b) Formation of empires c) Conquests and relations with other states d) Historians' views on nomadic societies and state formation
5	AUGUST	SECTION -III: CHANGING TRADITIONS (7+6+6=19 MARKS) Introduction 6.THE THREE ORDERS. Focus: Western Europe 13th -16th century a) Feudal society and economy b) Formation of state c) Church and society d) Historians' views on decline of feudalism
6	SEPTEMBER	HALF YEARLY EXAMINATION
PORTION OF HALF YEARLY EXAMINATION – CONTENTS COVERED UP TO AUGUST		

7	OCTOBER	7.CHANGING CULTURAL TRADITIONS Focus: Europe 14th -17th century New ideas and new trends in literature and arts Relationship with earlier ideas c) The contribution of West Asia d) Historians' viewpoint on the validity of the notion 'European Renaissance'
8	NOVEMBER	8.Confrontation of cultures Focus: America 15th to 18th century European voyages of exploration b) Search for gold, enslavement, raids, extermination c) Indigenous people and cultures- The Arawaks, the Aztecs and the Incas d) History of displacements e) Historians' viewpoint on slave trade
9	DECEMBER	SECTION - IV:TOWARDS MODERNISATION (7+6+6=19 MARKS) Introduction 9.The Industrial Revolution England 18th to 19th century Innovations and technological change b) Patterns of growth c) Emergence of a working class d) Historians' viewpoint, Debate on 'Was there an Industrial Revolution?'
10	JANUARY	10.DISPLACING INDIGENOUS PEOPLE North America and Australia, 18th to 20th century colonists in North America and Australia White Settler societies and repression of local people viewpoint on the impact of European settlement on indigenous population. 11.PATHS TO MODERNIZATION Focus: East Asia, late 19th to 20th century Military and economic growth in Japan and the communist alternative Debate on the meaning of modernization
11	FEBRUARY	REVISION ANNUAL EXAM STARTS
12	MARCH	

HISTORY– CLASS XI (Session 2021-22)			
TIME: 3 HRS		DESIGN OF QUESTION PAPER	
		MAXIMUM MARKS: 80	
S.NO	COMPETENCIES	MARKS	%WEITAGE
1.	Remembering: Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers. Understanding: Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions and stating main ideas	40	50%

2.	Applying: Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way	15	18.75%
3.	High Order Thinking Skills- (Analysis & Synthesis Classify, Apply, solve, compare, contrast, or differentiate between different pieces of information; Organize and/or integrate unique pieces of information from a variety of sources) Evaluation- (Appraise, Argue, judge, support, critique, and/or justify the value or worth of a decision or outcome, or to predict outcomes)	20	25%
4.	Map skill-based question- Identification, location, significance	5	6.25%
	TOTAL MARKS AND WEIGHTAGE	80	100%

1) This question paper comprises of six sections. Some questions have an internal choice

2) Section A: Question numbers 1 to 16 are objective type questions carrying 1 mark and should be answered in one word or one sentence each **(Only 15 will be attempted)**

3) Section B: Question numbers 17 to 19 are Case Based/ Source Based having Multiple Choice questions. Each question has 4 sub-parts. Attempt any three sub-parts from each question.

4) Section C: Answer to questions carrying 3 marks (Question 20 to 23) should not exceed 100 words each.

5) Section D: Answer to questions carrying 8 marks (Question 24 to 26) should not exceed 350 words each.

6) Section E: Question number 27 to 29 are Source-based questions carrying 5 marks each.

7) Section F: Question number 30 is a Map question that includes the identification and location of significant test items.

PROJECT WORKCLASS - XI (2021-22) ASSESSMENT Allocation of Marks (20) The marks will be allocated under the following heads:		
S.NO	CRITERIA	MARKS
1	Project Synopsis	2 Marks
2	Data/Statistical analysis/Map work	3 Marks
3	Visual/overall presentation	5 Marks
4	Analysis/explanation and interpretation	5 Marks
5	Bibliography	1 Marks
6	Viva	4 Marks
	TOTAL	20 Marks

FEW SUGGESTIVE TOPICS FOR PROJECTS

1. Anthropological Research based on Darwin's Theory
2. Critique of the industrialization in Britain
3. Relations and impacts of past crusades
4. Making and unmaking of Mesopotamia
5. Paradigms of Greco-Roman civilization
6. Aspirations of women in Renaissance period
7. Paths to Modernization of Japan /China
8. An Exploratory study into Humanism
9. Piecing together the past of Genghis Khan
10. An in-depth study into "now and then" paradigm of Christianity
11. An exploratory study into the realism and the transmission of Humanistic Ideas
12. Scientific Revolution and the origins of modern science
13. An exploratory study into the making of America
14. Myriad Realms of Slavery in ancient, medieval and modern world
15. Learning about global Sufism
16. History of aborigines – America /Australia

DAV PUBLIC SCHOOLS , JHARKHAND ZONE -F
Monthly Syllabus for Class XI (21-22)
Subject: Physical Education (048)

Month - April & May

Unit I Changing Trends & Career in Physical Education

- Meaning & definition of Physical Education
- Aims & Objectives of Physical Education
- Career Options in Physical Education
- Competitions in various sports at national and international level
- Khelo-India Program

Unit II Olympic Value Education

- Olympics, Paralympics and Special Olympics
- Olympic Symbols, Ideals, Objectives & Values of Olympism
- International Olympic Committee
- Indian Olympic Association

Month - June & July

Unit III Physical Fitness, Wellness & Lifestyle

- Meaning & Importance of Physical Fitness, Wellness & Lifestyle
- Components of physical fitness and Wellness
- Components of Health related fitness

Unit IV Physical Education & Sports for CWSN (Children With Special Needs- Divyang)

- Aims & objectives of Adaptive Physical Education
- Organization promoting Adaptive Sports (Special Olympics Bharat; Paralympics; Deaflympics)
- Concept of Inclusion, its need and Implementation
- Role of various professionals for children with special needs (Counsellor, Occupational Therapist, Physiotherapist, Physical Education Teacher, Speech Therapist & special Educator)

Month - August

Unit V Yoga

- Meaning & Importance of Yoga
- Elements of Yoga
- Introduction- Asanas, Pranayam, Meditation & Yogic Kriyas
- Yoga for concentration & related Asanas (Sukhasana; Tadasana; Padmasana & Shashankasana, Naukasana, Vrikshasana (Tree pose), Garudasana (Eagle pose))
- Relaxation Techniques for improving concentration – Yog-nidra

Month - September

Unit VI Physical Activity & Leadership Training

- Leadership Qualities & Role of a Leader

- Creating leaders through Physical Education
- Meaning, objectives & types of Adventure Sports (Rock Climbing, Trekking, River Rafting, Mountaineering, Surfing and Paragliding)
- Safety measures to prevent sports injuries

Month - October

Unit VII Test, Measurement & Evaluation

- Define Test, Measurement & Evaluation
- Importance of Test, Measurement & Evaluation in Sports
- Calculation of BMI & Waist - Hip Ratio
- Somato Types (Endomorphy, Mesomorphy & Ectomorphy)
- Measurement of health related fitness

Month - November

Unit VIII Fundamentals of Anatomy, Physiology & Kinesiology in Sports

- Definition and Importance of Anatomy, Physiology & Kinesiology
- Function of Skeleton System, Classification of Bones & Types of Joints
- Properties and Functions of Muscles
- Function & Structure of Respiratory System and Circulatory System
- Equilibrium – Dynamic & Static And Centre of Gravity and its application in sports

Month - December

Unit IX Psychology & Sports

- Definition & Importance of Psychology in Phy. Edu. & Sports
- Define & Differentiate Between Growth & Development
- Developmental Characteristics At Different Stages of Development
- Adolescent Problems & Their Management

Month - January

Unit X Training and Doping in Sports

- Meaning & Concept of Sports Training
- Principles of Sports Training
- Warming up & limbering down
- Skill, Technique & Style
- Concept & classification of doping
- Prohibited Substances & their side effects
- Dealing with alcohol and substance abuse

Month - February

- Revision

Term – 1 Blueprint for the subject PHE

Full Mark: 70(Th.) + 30 (Pr)

Chapter No.	Chapter Name	Weightage	No of questions carrying 1 mark	No of questions carrying 2 marks	No of questions carrying 3 marks	No of questions carrying 5 marks
1	Changing Trends and Career in Physical Education.	15	2	1	2	1
2	Olympic Value Education	15	2	1	2	1
3	Physical Fitness, Wellness & Lifestyle	15	2	1	2	1
4	Physical education and sports for CWSN (children with special needs - Divyang)	10	4	--	2	--
5	Yoga	15	2	1	2	1
		70 MARKS	(1 x 12 = 12)	(2 x 4 = 12)	(3 x 10 = 30)	(5 x 4 = 20)

DAV PUBLIC SCHOOLS, JHARKHAND ZONE F
Syllabus for POLITICAL SCIENCE
class XI 2021-22

Month	Chapter	Marks
April	Constitution	12
May	Constitution And Political Theory: An Introduction	6
	Election and Representation	5
June	Liberty (Freedom)	4
July	Legislature and Equality	5
August	The Executive and Justice	4
September	Judiciary And Revision	4
For 1st term		
October	Rights	4
November	Federalism and Citizenship	5
December	Local Governments and Nationalism	5
January	Secularism and Development	4

Blue Print of the question paper

Question	Marks	Total Marks
1 to 16	1 mark each	16
17&18	1+1+1+1=4	4
19 to 22	2 marks each	8
23 to 27	4 marks each	20
28 &29	5 marks each	10
30 to 32	6 marks each	18