



DELHI PUBLIC SCHOOL UDAIPUR

Syllabus Breakup for the Session 2020-21

Class-XI (Science)

ENGLISH

Month	Unit /Chapter /Topics
April 2020	Writing Skills : Notice Writing, Poster
May 2020	Snapshots <ul style="list-style-type: none"> The Summer of the Beautiful White Horse (Prose) Writing Skills : Introduction of Figures of Speech
June 2020	<ul style="list-style-type: none"> Summer vacation
July 2020	Hornbill <ul style="list-style-type: none"> The Portrait of a Lady (Prose) A Photograph (Poem) Snapshots <ul style="list-style-type: none"> The Address writing Skills : Business letters & Grammar
August 2020	Hornbill <ul style="list-style-type: none"> Discovering Tut (Prose) The Ailing Planet Snapshots <ul style="list-style-type: none"> Ranga's Marriage Albert Einstein at School Writing Skills: Official Letters & Grammar Note Making & Summarising
September 2020	REVISION & Half Yearly Examination
October 2020	Hornbill <ul style="list-style-type: none"> The Ailing Planet- The Green Movements Role Snapshots <ul style="list-style-type: none"> Mother's Day Writing Skills: Speech
November 2020	Hornbill <ul style="list-style-type: none"> The Browning Version Snapshots <ul style="list-style-type: none"> Birth Writing Skills: Debate
December 2020	Hornbill <ul style="list-style-type: none"> Silk Road Landscape of the soul

PHYSICS

Month	Unit /Chapter /Topics
April 2020	Ch – 1 : Physical World Ch – 2 : Units & Measurement
May 2020	Ch – 3 : Motion in a Straight Line
July 2020	Ch – 4 : Motion in a Plane Ch – 5 : Laws of Motion Ch – 6 : Work, Energy and Power (conti...)
August 2020	Ch – 6 : Work, Energy and Power Ch – 7 : System of particles and rotational motion
September 2020	Ch – 8 : Gravitation Ch – 9 : Mechanical Properties of Solids Ch – 10 : Mechanical properties of fluids(conti...)
October 2020	Ch – 10 : Mechanical properties of fluids Ch – 11 : Thermal properties of matter
November 2020	Ch – 12 : Thermodynamics Ch – 13 : Kinetic Theory of gases Ch – 14 : Oscillations
December 2020	Ch – 14 : Oscillations (contd...) Ch – 15 : Waves
January 2021	Revision Work
February 2021	Annual Examination

CHEMISTRY

Month	Unit /Chapter /Topics
April 2020	Some basic concepts of matter
May 2020	Structure of atom
July 2020	Structure of atom Classification of elements and periodicity in properties
August 2020	Chemical bonding and molecular structure States of matter
September 2020	Chemical thermodynamics Redox reaction
October 2020	S- block elements Equilibrium I and II
November 2020	Organic chemistry-Some basic principles and techniques
December 2020	P- block elements Hydrocarbons
January 2021	New session begins for Class XII
February 2021	

MATHEMATICS

Month	Unit /Chapter /Topics
April 2020	Chapter – 1 : Sets
May 2020	Chapter – 2 : Relations and Functions
July 2020	Chapter – 4 : Principle of Mathematical Induction
August 2020	Chapter – 3 : Trigonometric function Chapter – 5 : Complex numbers and Quadratic equations
September 2020	Chapter – 6 : Linear inequalities Chapter – 9 : Sequences and Series
October 2020	Revision & Half yearly

November 2020	Chapter – 7 : Permutations and combinations Chapter – 8 : Binomial Theorem
December 2020	Chapter – 10 : Straight lines Chapter – 11 : Conic Sections Chapter – 12 : Introduction to 3-D Geometry
January 2021	Chapter – 13 : Limits and derivatives Chapter – 14 : Mathematical Reasoning
February 2021	Chapter – 15 : Statistics Chapter – 16 : Probability
February 2021	Revision Work & Annual Examination

BIOLOGY

Month	Unit /Chapter /Topics
April 2020	<u>Unit – V</u> : Physiology (Human) Ch – 16 : Digestion and Absorption Ch – 17 : Breathing and Exchange of Gases
May 2020	Ch – 18 : Body Fluids and Circulation
July 2020	Ch – 19 : Excretory Products and their Elimination Ch – 20 : Locomotion & Movement
August 2020	Ch – 21 : Neural Control and Coordination Ch – 22 : Chemical Coordination & Integration <u>Unit – III</u> : Cell Structure & Function Ch – 8 : Cell : Unit of Life Ch – 9 : Bio molecules
September 2020	Ch – 10 : Cell cycle & Cell Division <u>Unit – II</u> : Structural Org. in Plants & Animals. Ch – 5 : Morphology of Flowering Plants
October 2020	Revision and Half Yearly Exam
November 2020	Ch – 6 : Anatomy of Flowering Plants Ch – 7 : Structural Org. in Animals
December 2020	<u>Unit – IV</u> : Plant Physiology Ch – 11 : Transport in Plants Ch – 12 : Mineral Nutrition Ch – 13 : Photosynthesis in Higher Plants
January 2021	Ch – 14 : Respiration in Plants Ch – 15 : Plant Growth & Development
February 2021	<u>Unit – I</u> : Diversity in Living World Ch – 1 : The Living World Ch – 2 : Biological Classification Ch – 3 : Plant Kingdom Ch – 4 : Animal Kingdom
February 2021	Revision Work & Annual Exams

PHYSICAL EDUCATION

Month	Chapter
April 2020	Unit 1: Changing Trends and career in Physical Education
May 2020	Unit 3: Physical Fitness, Wellness & Lifestyle Unit 5: Yoga
July 2020	Unit 6: Physical Activity & Leadership Unit 7: Test, Measurement and Evaluation Unit 2: Olympic Value Education <i>Revision & Online MCQ test of all completed chapter</i>
August 2020	Unit 10: Training & Doping in Sports Unit 8: Fundamental of Anatomy, Physiology & Kinesiology in Sports <i>Online MCQ test of all completed chapter</i>
September 2020	Unit 9: Psychology and Sports Unit 4: Physical Education & Sports for CWSN <i>Online MCQ test of all completed chapter</i>
October 2020	Revision of All Chapters with online test
November 2020	Revision of All Chapters with online test
December 2020	Revision of All Chapters with online test
January 2021	Revision of All Chapters with online test
February 2021	Annual Exam

FINE ARTS (PAINTING)

Month	Unit /Chapter /Topics
April 2020	Theory :- unit :1 :- Design fundamentals
May 2020	Theory :- unit :1 :- Design fundamentals and Practical
July 2020	Theory :- unit :2 :- Overview of fashion
August 2020	Theory :- unit :3 :- Introduction to fibres dyeing and printing
September 2020	Theory :- unit :3 :- Introduction to fibres dyeing and printing and practical
October 2020	Theory :- unit :4 :- Elements of garment making and Practical
November 2020	Revision of syllabus
December 2020	Revision of syllabus
January 2021	
February 2021	

ENTREPRENEURSHIP

Month	Unit /Chapter /Topics
April 2020	Ch – 1 : Entrepreneurship Concept & Function
May 2020	Ch – 1 : Entrepreneurship Concept & Function (Conti.....)
July 2020	Ch – 2 : An Entrepreneur
August 2020	Ch – 2 : An Entrepreneur (Conti.....)
September 2020	Ch – 4 : Entrepreneurship as Innovation & Problem Solving
October 2020	Ch – 3 : An Entrepreneurial Journey
November 2020	Ch- 5: Understanding of Market Ch – 6: Business Arithmetic
December 2020	Ch – 7 : Resource Mobilization
January 2021	Revision Work
February 2021	Project Work Revision Work

PSYCHOLOGY

Month	Unit /Chapter /Topics
April 2020	Unit I : What is psychology?
May 2020	Unit VII : Human Memory
July 2020	Unit IV : Human Development
August 2020	Unit III : The Bases of Human Behaviour
September 2020	Unit II : Methods of enquiry in Psychology Unit IX : Motivation and Emotional
October 2020	Unit V : Sensory, Attentional and perceptual processes
November 2020	Unit VI : Learning
December 2020	Revision Work
January 2021	Revision Work & Annual Exams

Informatics Practices (065)

Month	Topics
April 2020	Unit 1: Introduction of Computer System Basic computer organisation: Computer system – I/O Devices
May 2020	Unit 1: Trouble shooting – Study of computer and basic operations of operating system Basic concept of Data representation: Binary, ASCII, Unicode
June 2020	Unit 2: Introduction Python Programming Familiarization with the basic of Python programming: process of writing a program, running it, and print statements.
July 2020	Unit 2: Concept studies - L-value and R-value even if not taught explicitly). Tokens - keywords, identifiers, Literals, Delimiters. Knowledge of data type and operators:
August 2020	Unit 2: Suggested programs: finding average and grade for given marks, amount calculation Conditional statements: if, if-else, if-elif-else; simple programs: e.g.: absolute value, sort 3 numbers, divisibility. Notion of iterative computation and control flow: for (range() , len ()), while, flowcharts. Unit 2: List and dictionary: finding the maximum, minimum, mean; linear search on a list of numbers, and counting the frequency of elements in a list using a dictionary. Text handling: compare, concat, and substring operations (without using string module). Unit 2: Introduction to Python modules: importing math (sqrt, ceil, floor, pow, fabs), random (random, randint, randrange), statistics (mean, median) modules.
September 2020	Revision for MID TERM Exams
October 2020	Unit 3: Data Handling Numpy 1D array, 2D array Arrays: slices, joins, and subsets. Arithmetic operations on 2D arrays.
November 2020	Unit 4: Data Management Relational databases: Concept of a database, relations, attributes and tuples, keys - candidate key, primary key, alternate key, foreign key; Degree and Cardinality of a table.
December 2020	Unit 5: Society, Law and Ethics Cyber safety: safely browsing the web, identity protection, confidentiality, social networks, netiquettes, digital footprint, cyber trolls and bullying. Appropriate usage of social networks: spread of rumours, and common social networking sites (Twitter, LinkedIn, and Facebook) and specific usage rules.
January 2020	Revision for Annual Exam

Computer Science (083)

Month	No. of Working Days	Topics
April	12 days	Unit 1: Computer Systems and Organisation <ul style="list-style-type: none"> Basic computer organization, CPU, memory, hard disk, I/O, battery.

		<ul style="list-style-type: none"> Types of software, Memory Units, Boolean logic: truth tables, De Morgan's laws.
May	9 days	Unit 1 : continue <ul style="list-style-type: none"> Information representation: numbers in base 2, 8, 16, binary addition. Strings: ASCII, UTF8, UTF32, ISCII Indian script code, Unicode. Concept of Compiler & Interpreter. Running a Program
June	12 days	Unit 1 : continue <ul style="list-style-type: none"> Basic concepts of Flowchart. Concept of cloud computing, Unit 2: Computational Thinking and Programming <ul style="list-style-type: none"> Basics of Computational Thinking: Decomposition, Pattern Recognition/ Data representation, Generalization/ Data Abstraction and algorithm.
July	26 days	Unit 2: Continue <ul style="list-style-type: none"> Process of writing a program Features of Python, Python Character Set, Token & Identifiers, Keywords, Literals, Delimiters, operators. Comments: Continuation statements. Introduce the notion of a variable, and methods to manipulate. Knowledge of data types and operators: accepting input from the console, assignment statement, expressions, operators and their precedence.
August	22 days	Unit 2: Continue <ul style="list-style-type: none"> Lists, tuples and dictionary: Sorting algorithm: bubble and insertion sort; count the number of operations while sorting. Strings: Traversing, compare, concat, substring. Introduction to Python modules:
September	07 days	Revision for MID TERM Exams
October	15 days	Unit 3: Data Management Relational databases: Concept of a database, relations, attributes and tuples, keys- candidate key, primary key, alternate key, foreign key; Degree and cardinality of a table.
November	23 days	Unit 3: Continue <ul style="list-style-type: none"> Use SQL – DDL/ DML commands to CREATE TABLE, INSERT INTO, UPDATE, DELETE, ALTER, MODIFY, DROP TABLE, Primary keys, and foreign keys; SELECT-FROM- WHERE-ORDER BY along with BETWEEN, IN, LIKE, Queries. Aggregate functions – MIN, MAX, AVG, COUNT, SUM
December	23 days	Unit 4: Society, Law and Ethics - Cyber safety <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.
January	22 days	Revision for Annual Exam
April	12 days	Annual Exams

Economics

Month	No. of Working Days	Unit /Chapter /Topics	
		Indian Economics	Statistics
April	13 days	-	Ch – 1 : Concept of Economics & Significance of Statistics in Economics Ch – 2 : Collection of Data
May	9 days	Ch – 1 : Economics & Economy Ch – 2 : Central Problems of An Economy	-
June	12 days	Ch – 3 : Consumer's Equilibrium-Utility Analysis	-
July	26 days	Ch – 4 : Consumer's Equilibrium-Indifference curve analysis	Ch – 3 : Census & Sample Method Ch – 4 : Organisation of Data

August	22 Days	Ch – 6 : Elasticity of Demand Ch – 5 : India's Foreign Trade	Ch – 5 : Presentation of Data (Textual & Tabular)
September	7 days	Ch – 7 : Theory of Demand Ch – 8 : Concept of Cost	Ch – 6 : Diagrammatic Presentation of Data Ch – 7 : Frequency Diagram Ch – 8 : Arithmetic Line Graph
October	15 days	Ch – 9 : Concept of Revenue	Ch – 8 : Human Capital Formation and Arithmetic Line Graph Ch – 9 : Arithmetic Mean
November	23 days	Ch – 10 : Producer's Equilibrium	Ch – 10 : Median & Mode
December	23 days	Ch – 11 : Theory of Supply	Ch – 11 : Measures of Dispersion
January	22 days	Ch – 12 : Forms of Market Ch – 13 : Market equilibrium	Ch – 12 : Correlation Ch – 13 : Index Numbers
February	23 days	Revision Work & Annual Exams	
March 2019		New session begins for Class XII	

Principal I/C

Class Coordinator