



ARMY PUBLIC SCHOOL

RAJIV GANDHI MARG, NEW CANT PRAYAGRAJ

SPLIT OF SYLLABUS FOR THE ACADEMIC YEAR 2019-20

CLASS: XI

MATHS

S. NO	MONTH	CHAPTER NAME
1.	JUNE	SETS, RELATIONS AND FUNCTIONS
2.	JULY	TRIGONOMETRIC FUNCTIONS, PRINCIPLE OF MATHEMATICAL INDUCTION
3.	AUGUST	COMPLEX NUMBERS, QUADRATIC EQUATIONS, LINEAR INEQUALITIES
4.	SEPTEMBER	PERMUTATIONS AND COMBINATIONS BINOMIAL THEOREM
5.	OCTOBER	SEQUENCE AND SERIES, STRAIGHT LINE
6.	NOVEMBER	CONIC SECTIONS, INTRODUCTION TO THREE DIMENSIONAL GEOMETRY, LIMITS AND DERIVATIVES



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7.	DECEMBER	LIMITS AND DERIVATIVES (CONTD) MATHEMATICAL REASONING
8.	JANUARY	STATISTICS ,PROBABILITY





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ENGLISH

MONTH	TEXT BOOK	SYLLABUS
JUNE	HORNBILL WRITING SKILLS	THE PORTRAIT OF A LADY, A PHOTOGRAPH (POEM) POSTERS
JULY	HORNBILL SNAPSHOTS WRITING SKILLS	WE'RE NOT AFRAID TO DIE, DISCOVERING TUT THE SUMMER OF THE BEAUTIFUL WHITE HORSE, THE ADDRESS NOTICE, ARTICLE
AUGUST	HORNBILL SNAPSHOTS WRITING SKILLS	THE LABURNUM TOP & THE VOICE OF THE RAIN (POEMS), THE LANDSCAPE OF THE SOUL RANGA'S MARRIAGE NOTE MAKING
SEPTEMBER	HORNBILL SNAPSHOTS WRITING SKILLS	THE AILING PLANET ALBERT EINSTEIN AT SCHOOL REPORT WRITING
OCTOBER	HORNBILL SNAPSHOTS	CHILDHOOD (POEM), THE ADVENTURE BIRTH
NOVEMBER	HORNBILL SNAPSHOTS WRITING SKILL	SILK ROAD, FATHER TO SON (POEM) MOTHER'S DAY SPEECH
DECEMBER	HORNBILL SNAPSHOTS	BROWNING VERSION THE GHAT OF THE ONLY WORLD
JANUARY	SNAPSHOTS WRITING SKILL	THE TALE OF MELON CITY JOB APPLICATION WITH RESUME, LETTER WRITING



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PHYSICS

S.NO	MONTH	CHAPTER NAME
1.	JUNE	1. PHYSICAL WORLD
2.	JULY	2. UNITS AND MEASUREMENTS 3. MOTION IN A STRAIGHT LINE
3.	AUGUST	4. MOTION IN A PLANE 5. LAWS OF MOTION
4.	SEPTEMBER	6. WORK, ENERGY AND POWER 7. SYSTEM OF PARTICLES AND ROTATIONAL MOTION



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5.	OCTOBER	8.GRAVITATION 9.MECHANICAL PROPERTIES OF SOLIDS
6.	NOVEMBER	10. MECHANICAL PROPERTIES OF FLUIDS 11.THERMAL PROPERTIES OF MATTER 12. THERMODYNAMICS
7.	DECEMBER	13.KINETIC THEORY OF GASES 14.OSCILLATIONS
8.	JANUARY	15.WAVES 16.RAY OPTICS



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CHEMISTRY

S. NO	MONTH	CHAPTER NAME
1.	JUNE	1.SOME BASIC CONCEPTS OF CHEMISTRY
2.	JULY	2.STRUCTURE OF ATOM 3. CLASSIFICATION OF ELEMENTS AND PERIODICITY IN PROPERTIES
3.	AUGUST	4. CHEMICAL BONDING AND MOLECULAR STRUCTURE 5.STATES OF MATTER



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4.	SEPTEMBER	6.CHEMICAL THERMODYNAMICS 7.EQUILIBRIUM
5.	OCTOBER	7.EQUILIBRIUM (COTN..D) 8.REDOX REACTIONS 9.HYDROGEN
6.	NOVEMBER	10.s-BLOCK ELEMENTS 11.p-BLOCK ELEMENTS
7.	DECEMBER	12.ORGANIC CHEMISTRY-SOME BASIC PRINCIPLES AND TECHNIQUES 13.HYDROCARBONS
8.	JANUARY	13.HYDROCARBONS (COTN...D) 14.ENVIRONMENTAL CHEMISTRY -REVISION-



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PSYCHOLOGY

CLASS	MONTH	CHAPTER
XI	JUNE	L.1-WHAT IS PSYCHOLOGY
	JULY	L.2- METHODS OF ENQUIRY IN PSYCHOLOGY L.3- BASES OF HUMAN BEHAVIOUR
	AUGUST	L.3- BASES OF HUMAN BEHAVIOUR (Contd) L4-HUMAN DEVELOPMENT
	SEPTEMBER	L.4-HUMAN DEVELOPMENT(Contd) L.5-SENSORY ATTENTIONAL AND PERCEPTUAL PROCESSES
	OCTOBER	L6-LEARNING

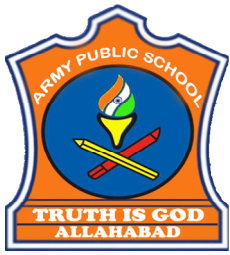


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	NOVEMBER	L7-HUMAN MEMORY
	DECEMBER	L8-THINKING
	JANAUARY	L9-MOTIVATION AND EMOTIONS



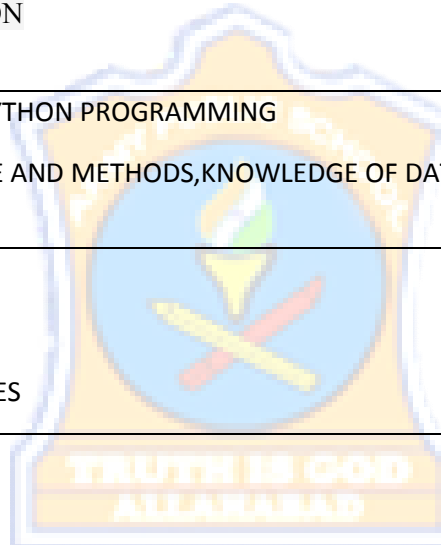


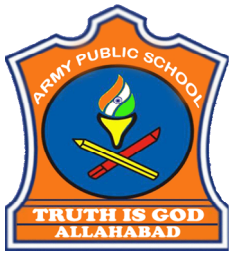
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INFORMATICS PRACTICES

S NO	TOPIC	MONTH
1	<ul style="list-style-type: none">PROGRAMMING AND COMPUTATIONAL THINKINGBASIC COMPUTER ORGANIZATION	JUNE
1	<ul style="list-style-type: none">FAMILARIZATION WITH BASICS OF PHYTHON PROGRAMMINGINTRODUCE THE NOTION OF VARIABLE AND METHODS,KNOWLEDGE OF DATATYPES AND OPERATORS	JULY
2	<ul style="list-style-type: none">CONDITIONAL STATEMENTSLISTS AND DICTIONARY,INTRODUCTION OF PHYTHON MODULES	AUGUST





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3	<p>DATA HANDLING-INTRODUCTION TO PHYTHON PANDAS-</p> <ul style="list-style-type: none">• Introduction to data structures in Pandas: Series, and Data Frame• Operations on a Series: head, tail, vector operations• Data Frame operations: create, display, iteration, select column, add column, delete column	SEPTEMBER
4	<ul style="list-style-type: none">• Binary operations in a Data Frame: add, sub, mul, div, radd, rsub• Matching and broadcasting operations• Missing data and filling values.• Comparisons, Boolean reductions, comparing Series, and combining Data Frames.	OCTOBER
5	<p>DATA MANAGEMENT</p> <ul style="list-style-type: none">• Relational databases: idea of a database and the need for it, relations, keys, primary key, foreign key;• Use SQL commands to create a table, keys, and foreign keys; insert/delete an entry, delete a table.• Basic SQL: select, project, and join; indexes, and a lot of in-class practice	NOVEMBER
6	<p>Society, Law and Ethics (SLE-1) -Cyber safety</p> <ul style="list-style-type: none">• Cyber safety: safely browsing the web, identity protection, confidentiality, social networks, cyber trolls	DECEMBER



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	and bullying <ul style="list-style-type: none">• Appropriate usage of social networks: spread of rumours, and common social networking sites (Twitter, LinkedIn, and Facebook) and specific usage rules.	
7	<ul style="list-style-type: none">• Safely accessing web sites: adware, malware, viruses, Trojans• Safely communicating data: secure connections, eavesdropping, and phishing and identity verification.	JANUARY





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BIOLOGY

S;I NO	TOPIC	MONTH
1	The Living World,Biological Classification	JUNE
1	Diversity of Living Organisms. (Plant Kingdom, Animal Kingdom)	JULY
2	Structural Organization in Plants & Animals(Morphology of Flowering Plants,Anatomy of Flowering Plants,Structural Organization in Animals)	AUGUST
3	Cell: Structure and Function: Cell-The Unit of Life,Biomolecules,Cell Cycle and Cell Division.	SEPTEMBER
4	Plant Physiology (Transport in Plants,Mineral Nutrition)	OCTOBER
5	Plant Physiology(Photosynthesis in Higher Plants, Respiration in PlantsPlant - Growth and Development,)	NOVEMBER
6	Human Physiology (Digestion and Absorption,Breathing and Exchange of Gases,Body Fluids and Circulation)	DECEMBER

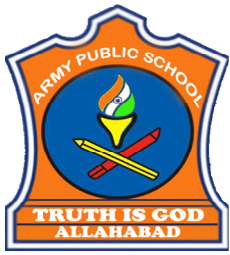


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7	Human Physiology(Excretory Products and Their Elimination,Locomotion and Movement,Neural Control and Coordination,Chemical Coordination and Integration)	JAUARY
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PHYSICAL EDUCATION

SI No		CHAPTERS
1	JUNE	1. Changing Trends & Career in Physical Education
2	JULY	2. Olympic movement 3. Physical Fitness, Wellness and Lifestyle.
3	AUG	4. Physical Education and Sports for Differently –Abled 5. Yoga
4	SEPT	6. Physical Activity and Leadership Training 7. Test measurement and Evaluation
5	OCT	8. Fundamentals of Anatomy and Physiology
6	NOV	9. Kinesiology, Biomechanics and Sports 10. Psychology in Sports
7	DEC	11. Training In Sports
8	JAN	12. Doping



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COMPUTER

SNO.	CLASS	UT1	HALF YEARLY	UT2	ANNUAL
1	XI	UNIT- 2	UNIT-3	UNIT-1	UNIT-4

