



Class XI – B

SYLLABUS FOR THE YEAR (2016– 2017)

TERM	MONTH	ENGLISH	MATHEMATICS	PHYSICS	CHEMISTRY	BIOLOGY	COMPUTERS
UT-I	APRIL	The Portrait of a Lady/A photograph/The Browning version/ The Summer of the Beautiful White Horse/The Canterville Ghost Ch-1 & Ch-2 / Notice writing /Speech Writing/ Note-making/	Sets	Physical world (introduction to physics), Units and Measurements.	Unit 1 – Some basic concepts of chemistry (1.1 to 1.10)	Unit 1 The living world, Biological classification	Chapter 1: Computer Overview (1.1-1.6), Chapter 2: Working with Operating System (2.1-2.19) Chapter 3 Data representation.
	MAY	We are not afraid to die.../ Childhood Ranga's Marriage Canter Ville Ghost Ch 3/ Posters	Relation and functions, Complex number and quadratic equations	Kinematics	Unit 2 – Structure of Atom (2.1 to 2.4)	Unit 1 Plant kingdom Animal Kingdom	Chapter 4 Micro Processor Basics, Chapter 5: Getting Started with Python Chapter 6: Python Fundamentals
Half yearly (Note:	JULY	The Ailing planet/ The voice of the rain/ Discovering Tut/ The Address/ Article writing	Principle of mathematical induction, Linear inequalities, Trigonometric functions	Revision, Kinematics, Laws of motion.	Unit 3 – Classification of elements and periodicity in properties (3.1 to 3.7) Unit 4 – Chemical bonding and molecular structure (4.1 to 4.9)	Unit III Cell- the unit of life Cell cycle and cell division Bio molecules	Chapter 7: Data Handling (5.1-5.5), Chapter 8: Introducing functions and Modules.
	AUG	Canter Ville Ghost Ch4,5 Letter Writing, Posters,	Permutations and combinations,	Laws of motion (friction), Work,	Unit 5 – States of matter (5.1 to 5.10)	Unit V Digestion and	Chapter 9: User Defined





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Examination includes Syllabus of UT I also)		Debate	Binomial theorem, Sequences and series	energy and power, Gravitation (Newton's Law)	Unit 6 – Thermodynamics (6.1 to 6.7)	absorption Breathing and exchange of gases Body fluids and circulation Excretory product and their elimination Locomotion and movement	Functions, Chapter 10: Programming methodology Chapter 11: Conditional and looping constructs
	SEP.	Revision for half yearly					



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UT II	OCT.	Albert Einstein at School, Childhood, Advertisement/ Invitations,	Sequences and series (cont) Straight lines	Gravitation (Satellites etc) System of particles and rigid body, oscillations and waves (SHM)	Unit 7 – Equilibrium (7.1 to 7.13) Unit 8 – Redox Reactions (8.1 to 8.2)	Unit V Neural control and coordination, chemical coordination and integration	Chapter 12: String Manipulation
	NOV.	Father to son, Birth, Advertisement (continued),	3 Dimensional geometry conic sections, mathematical reasoning	Oscillations and Waver (Doppler Effect) Properties of bulk matter (Pascal’s Law)	Unit 8 – Redox reactions (8.3 to 8.4)	Unit IV Transport in plants Mineral nutrition Photosynthesis in higher plants Respiration in plants	Chapter 13: List Manipulation
Final Exam (Note: Complete Syllabus)	DEC.	Invitations / The Invisible Man	Statistics, Probability	Properties of bulk matter (Bernoulli’s Theorem), Thermodynamics (Laws of Thermodynamics)	Unit 12 – Organic Chemistry – some basic principles and tech (12.1 to 12.10) Unit 13 – Hydrocarbons (13.1 to 13.2) Unit 13 – Hydrocarbons (13.3 to 13.6) Unit 9 – Hydrogen (9.1 to 9.9)	Plant growth and development Morphology of flowering plants	Chapter 14: Dictionaries





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JAN.	Mother's day, Revision of the entire syllabus Comprehension passages will be given every month	Limits and derivatives	Thermodynamics (Refrigerator), Behaviour of perfect gases and kinetic theory	Unit 10 – s-Block elements (10.1 to 10.10) Unit 11 – p Block elements (11.1 to 11.8) Unit 14 – Environmental Chemistry (14.1 to 14.7)	Unit II Anatomy of flowering plants , Structural organization in animals, OTBA	Chapter 15: Tuples Chapter 16: Project Work	
FEB.	Revision and Final Exam						



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INFORMATIC PRACTICES

Introduction, Unit I – Introduction to computer systems (Hardware Concepts, Software Concepts) Chapter 1: Hardware Concepts (1.1 to 1.8), Chapter 2: Software concepts (2.1 to 2.3.3)

Unit II – Introduction to programming (Programming using IDE, Programming Fundamentals) Chapter 3: Getting started with programming using IDE (3.1 to 3.11.2), Chapter 4: Programming Fundamentals (4.9 to 4.8)

Unit II – Introduction to programming (Variables and control structures) Chapter 5: Flow of control (5.1 to 5.11), Chapter 6: Java GUI Programming using Swing – I (6.1 to 6.8.8) Chapter 7: Java GUI Programming using Swing – II (7.1 to 7.4), Chapter 8: Java GUI Programming using Swing – III (8.1 to 8.3.6)

Unit II – Introduction to programming (Programming guidelines)
Chapter 8: Java GUI Programming using Swing – III (8.4 to 8.5.2), Chapter 9: Methods (9.1 to 9.12),
Chapter 10: Classes in Java (10.1 – 10.4), Chapter 11 Programming guidelines (11.1 to 11.13)

Unit III – RDBMS (Database Management System, Introduction to DDL and DML commands)
Chapter 12: DBMS Concepts (12.1 to 12.6), Chapter 13: Introduction to MySQL (13.1 to 13.5.3),

Unit III– RDBMS (DDL and DML commands, Functions in MySQL)
Chapter 14: Simple Queries in SQL (14.1 to 14.5.22), Chapter 15: MySQL Functions (15.1 to 15.2)

Unit III – RDBMS (Functions in MySQL)
Chapter 15: MySQL Functions (15.3 to 15.4), Chapter 16: Table Creation, Data manipulation Commands

Unit IV – IT applications
Chapter 17: IT Applications (17.1 to 17.4.4)





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