

METAS ADVENTIST SCHOOL

ATHWALINES, SURAT

SYLLABUS: 2017-2018

CLASS: XII

SUBJECT: MORALS

MONTH	LESSON NO.	DESCRIPTION
JUNE	1	Just in time
	2	The saviour is born
	3	The baptism of Jesus
JULY	4	The temptation
	5	The marriage feast
	6	He must increase
	7	The sermon on the mount
AUGUST	8	Peace, be still
FIRST TERM PORTION :		
LESSON NO: 1,2,3,4,5,6,7,8		

MONTH	LESSON NO.	DESCRIPTION
SEPTEMBER	9	The touch of faith
	10	Barriers broken down
	11	Concept of the greatest
OCTOBER	12	No outward show
	13	Gethsemane
	14	Calvary
NOVEMBER	15	It is finished
	16	The Lord is risen
DECEMBER	17	Peace be unto you
SECOND TERM PORTION: 9,10,11,12,13,14,15,16,17		

MONTH	LESSON NO.	DESCRIPTION
MAY	5	Principles of inheritance and Variations
	6	Chromosomes theory of inheritance.
JUNE	8	Origin of Life
	9	Theories of evolution
	1	Reproduction in organisms
JULY	2	Sexual reproduction in flowering plants.
	3	Human reproduction.
	4	Reproductive health - problems and strategies.
	10	Human health and diseases.
AUGUST	11	Adolescent issues: Alcoholism and drugs.
FIRST TERM PORTION :1,2,3,4,5,6,8,9,10,11		

MONTH	LESSON NO.	DESCRIPTION
SEPTEMBER	7	Molecular basis of inheritance
	15	Biotechnology principles and process
	16	Biotechnology and its applications.
OCTOBER	12	Animal breeding for improvement in food production.
	13	Plant breeding to enhance food production.
NOVEMBER	14	Microbes in human welfare
	17	Organisms and populations
	18	Ecosystem
	19	Biodiversity and conservation.
DECEMBER	20	Environmental issues
SECOND TERM PORTION: 7,12,13,14,15,16,17,18,19		

MONTH	LESSON NO.	DESCRIPTION
JANUARY	20	Environmental issues-continued.....
FEBURARY		PRELIMS
MARCH		BOARD EXAMS
PRELIMS PORTION : FULL PORTION		

MONTH	LESSON NO.	DESCRIPTION
MAY	2	SOLUTIONS
	10	HALOALKANES AND HALOARENES
	7	p- BLOCK ELEMENTS(GROUP-15)
JUNE	7	p- BLOCK ELEMENTS(GROUP-16)
	3	ELECTROCHEMISTRY
	9	COORDINATION COMPOUNDS
JULY	9	COORDINATION COMPOUNDS
	1	SOLID STATE
	7	p- BLOCK ELEMENTS(GROUP-17 & 18)
	11	ALCOHOLS,PHENOLS AND ETHERS
AUGUST	14	BIOMOLECULES REVISION FIRST TERM EXAMINATION
FIRST TERM PORTION :		
LESSON NO: 1,2,3,7,9,10,11,14		

MONTH	LESSON NO.	DESCRIPTION
SEPTEMBER	4	CHEMICAL KINETICS
	8	d AND f - BLOCK ELEMENTS
	6	GENERAL PRINCIPLES AND PROCESSES OF ISOLATION OF ELEMENTS
OCTOBER	6	GENERAL PRINCIPLES AND PROCESSES OF ISOLATION OF ELEMENTS
	15	POLYMERS
	5	SURFACE CHEMISTRY

NOVEMBER	12	ALDEHYDES, KETONES AND CARBOXYLIC ACIDS
	13	ORGANIC COMPOUNDS CONTAINING NITROGEN
DECEMBER		REVISION SECOND TERM EXAMINATION
SECOND TERM PORTION:		
LESSON NO : FIRST TERM PORTION, 4, 5, 6, 8, 12, 13, 15		

MONTH	LESSON NO.	DESCRIPTION
JANUARY	16	CHEMISTRY IN EVERYDAY LIFE PAPER SOLVING PRELIMS
FEBURARY		PRELIMS
MARCH		BOARD EXAMS

MONTH	LESSON NO.	DESCRIPTION
MAY	CH – 3	Object and Classes
	CH – 4	Primitive values, Types, casting, variables & Expressions
	CH - 5	Statements, control Structure and Scope
	CH-6	Functions And Recursion
	CH-8	Compiling And Running Java Programs
	CH-9	Java Classes-An OOP Perspective
	CH-11	Recursion
<u>FIRST PERIODIC PORTION</u>		
<p>Chapter -3 : Objects And Classes</p> <p>Chapter-4 : Primitive values, Types, Casting, Variables & Expressions</p> <p>Chapter-5 : Statements, Control Structure And Scope</p> <p>Chapter-6 : Functions</p> <p>Chapter-8 : Compiling And Running Java Programs</p> <p>Chapter-9 : Java Classes: An OOP Perspective</p> <p>Chapter-11 : Recursion</p>		
JUNE	CH-11	Recursion

July	CH - 7 CH-1 CH-2 CH-6 CH-10 CH-12 CH-13	Array Boolean Algebra Computer Hardware Function(Call by Reference) Operations On Files Concept Of Inheritance Exception Handling
AUGUST	14	Simple Data Structure(Stack)
<u>PORTION FOR 1ST TERM</u>		
Chapter - 1 : Boolean Algebra Chapter-2 : Computer Hardware Chapter-6 : Function Chapter-10 : Operation On Files Chapter-12 : Concept Of Inheritance Chapter-13 : Exception Handling Chapter-14 : Simple Data Structure (Including I-Periodic Portion also) Practical Exam: - JAVA		

MONTH	LESSON NO.	DESCRIPTION
SEPTEMBER	CH – 1	Boolean Algebra

OCTOBER	CH – 2 CH-7	Computer Hardware String
NOVEMBER	CH – 14 CH-15	Data Structure Recursive Data Structure
DECEMBER		REVISION SECOND TERM EXAMINATION

PORTION FOR II - TERM

CH – 1 – Boolean Algebra
 CH-- 2-- Computer Hardware
 CH – 14 – Simple Data Structure
 CH – 15 – Recursive Data Structure
 (Including I-Periodic& I-Tem Portion also)

Practical :Java

MONTH	LESSON NO.	DESCRIPTION
JANUARY	16	Computational Complexity
FEBURARY		PRELIMS
MARCH		BOARD EXAMS

Preliminary Exam:

Chapter - 16 Computational Complexity
 &
 Full Portion

MONTH	LESSON NO.	DESCRIPTION
MAY	Short Stories 4. Grammar	Old Love Do As Directed Preposition Correct Form Of Word Composition
	Much Ado About Nothing	ACT 3
JUNE	Short Stories 1. Poems 1. 2. Grammar	The Lost Jewels The Eve of Waterloo The Last Ride Together Do As Directed Preposition Correct Form Of Word Composition Comprehension Guided Composition
	Much Ado About Nothing	ACT 3 ACT 4
JULY	Short Stories 2. 3 4 5. Poems 3 5. Grammar	Lamb To The Slaughter The Drover's Wife The Stolen Bacillus Old Love Mending Wall Do Not Go Gentle Into That Good Night Do As Directed Preposition Correct Form Of Word Composition Comprehension Guided Composition
	Much Ado About Nothing	ACT 4
AUGUST	GRAMMAR	Do as directed Preposition Correct Form Of Word Composition Comprehension Guided Composition

FIRST TERM PORTION :

LITERATURE

ISC COLLECTION OF SHORT STORIES: 1,2,3,4,5

ISC COLLECTION OF POEMS: 1,2,3,4,5

MUCH ADO ABOUT NOTHING: ACT 4 ACT 5

LANGUAGE

DO AS DIRECTED

**PREPOSITION
CORRECT FORM OF WORD**

COMPOSITION

GUIDED COMPOSITION

COMPREHENSION

MONTH	LESSON NO.	DESCRIPTION
SEPTEMBER	Short Stories 6	A Very Old Man With Enormous Wings
	7. Poems 6. 7. Grammar	A Real Darwan Enterprise Five Ways To Kill A Man Do As Directed Preposition Correct Form Of Word Composition Comprehension Guided Composition ACT5
OCTOBER	Short Stories 8. Poems 8. Grammar	The Lumber Room Phenomenal Woman Do As Directed Preposition Correct Form Of Word Composition Comprehension Guided Composition
	Much Ado About Nothing	ACT 1 Act 5
NOVEMBER	Short Stories 9. 10	The Legend Of Sleepy Hollow One Thousand Dollars
	Poems 9. 10. Grammar	Breaking Out Father Returning Home Do As Directed Prepositiion Correct Form Of Word Composition Comprehension Guided Composition Comprehension

	Much Ado About Nothing	ACT 2
DECEMBER	REVISION GRAMMAR	Do As Directed Preposition Correct Form Of Word Composition Comprehension Guided Composition
SECOND TERM PORTION		
LITERATURE		
ISC COLLECTION OF SHORT STORIES: 1 TO 10		
ISC COLLECTION OF POEMS: 1 TO 10		
MUCH ADO ABOUT NOTHING: ACT 1to ACT 5		
LANGUAGE		
DO AS DIRECTED		
PREPOSITION		
CORRECT FORM OF WORD		
COMPOSITION		
COMPREHENSION		
GUIDED COMPOSITION		

MONTH	LESSON NO.	DESCRIPTION
JANUARY	PAPER SOLVING	LANGUAGE LITERATURE
FEBURARY	PAPER SOLVING	LANGUAGE LITERATURE
MARCH		

PRELIMS PORTION		
LITERATURE		
ISC COLLECTION OF SHORT STORIES: 1 TO 10		
ISC COLLECTION OF POEMS: 1 TO 10		
MUCH ADO ABOUT NOTHING: ACT 1to ACT 5		
LANGUAGE		
DO AS DIRECTED		
PREPOSITION		
CORRECT FORM OF WORD		
COMPOSITION		
COMPREHENSION		
GUIDED COMPOSITION		

MONTH	LESSON NO.	DESCRIPTION
MAY	2	FUNCTIONS
	4	INVERSE TRIGONOMETRIC FUNCTIONS
	13	INDEFINITE INTEGRAL-I
	7	CONTINUITY AND DISCONTINUITY OF FUNCTIONS
	8	DIFFERENTIATION
JUNE	9	INDETERMINATE FORMS OF LIMITS
	14	INDEFINITE INTEGRAL-II
	10	MEAN VALUE THEOREMS
JULY	11	APPLICATION OF DERIVATIVES
	12	MAXIMA AND MINIMA
	21	VECTORS
	26	APPLICATION OF CALCULUS IN COMMERCE AND ECONOMICS
	27	LINEAR REGRESSION
	22	VECTORS
	25	APPLICATION OF INTEGRALS

MONTH	LESSON NO.	DESCRIPTION
MAY	1	Coulomb's law
	2	Electric fields, Electric lines of force and electric dipole
	3	Gauss's Law and its Applications
	4	Electric Potential
JUNE	5	Capacitors and Dielectrics
	6	Electric Current: Electric resistance and Ohm's law
	7	Electric Energy and Power
	8	Cells; Electromotive force; Internal resistance and Grouping of cells
	9	Kirchhoff's Laws and Electrical measurements
JULY	10	Elementary Magnetism
	11	Magnetic properties of materials
	12	Magnetic Effect of Current
	13	Forces on Currents and Torques on Dipoles in Magnetic Fields
	14	Electromagnetic Induction
	15	Mutual and Self Inductances and Transient Currents
AUGUST	16	Alternating Current
FIRST TERM PORTION: LESSON NO:- 5 to 15		

MONTH	LESSON NO.	DESCRIPTION
SEPTEMBER	17	Electromagnetic Waves and Huygen's Principle
	18	Interference of Light Waves
	19	Diffraction of Light Waves
	20	Polarisation of Light Waves
	21	Reflection of Light by Spherical Mirrors
	22	Refraction of Light at a plane interface

OCTOBER	23	Refraction of Light through Prisms
	24	Refraction of Light by Special surfaces and Lenses
	25	Dispersion, Spectra and Chromatic Aberration
	26	Microscopes, Telescopes and Human Eye
NOVEMBER	27	Photo Electric Effect and Wave-particle Duality
	28	Structure of Atom
	29	X-Rays
	30	Structure of Nucleus
	31	Radioactivity
	32	Nuclear Energy
	33	Semiconductors
DECEMBER	34	Semiconductor Diodes
SECOND TERM PORTION:		
LESSON NO:- 1 to 33		

MONTH	LESSON NO.	DESCRIPTION
JANUARY	35	Junction Transistors
	36	Logic Gates
	37	Communication Systems
FEBURARY		PRELIMS
MARCH		BOARD EXAMS
PRELIMS PORTION:		
LESSON NO:- 1 to 37		