



METAS ADVENTIST SCHOOL

Portions for Second Term Examination: 2017-2018

Class: XII (Sci)

MORALS: Chapter - 9 to 16

ENGLISH:

ENGLISH I :

Do as directed; Preposition; Correct form of word; Composition; Comprehension

ENGLISH II:

ISC Collection of Short Stories: Chapter 1 to 10 (full)

ISC Collection of Poems: Chapter 1 to 10 (full)

Much Ado About Nothing: Act - I to Act - V (full)

PHYSICS:

Chapter 1: Coulomb's Law

Chapter 2: Electric Field, Electric Lines of Force and Dipole

Chapter 3: Gauss's Law and its Application

Chapter 4: Electric Potential

Chapter 5: Capacitors and Dielectrics

Chapter 6: Electric Current : Electric Resistance and Ohm's Law

Chapter 7: Electrical Energy and Power

Chapter 8: Cells; Electromotive Force; Internal Resistance and Grouping of Cells

Chapter 9: Kirchoff's Laws and Electrical Measurements

Chapter 10: Elementary Magnetism

Chapter 11: Magnetic Properties of Materials

Chapter 12: Magnetic Effect of Current

Chapter 13: Forces on Current and Torques on Dipole in Magnetic Field

Chapter 14: Electromagnetic Induction

Chapter 15: Mutual and Self Inductances and Transient Currents

Chapter 16: Alternating Currents

Chapter 17: Electromagnetic Waves and Huygen's Principle

Chapter 18: Interference of Light Waves

Chapter 19: Diffraction of Light Waves

Chapter 20: Polarisation of Light waves

Chapter 21: Reflection of Light by Spherical Mirrors

Chapter 22: Refraction of Light at a Plane Interface

Chapter 23: Refraction of Light through Prisms

Chapter 24: Refraction of Light at Spherical Surfaces and by Lenses

Chapter 25: Dispersion; Spectra and Chromatic Aberration

Chapter 26: Microscopes, Telescopes and Human Eye

Chapter 27: photo Electric Effect and Wave Particle Duality

Chapter 28: Structure of Atom

Chapter 29: X-ray

Chapter 30: Structure of Nucleus

Chapter 31: Radioactivity

CHEMISTRY: Chapter 1 to 15

BIOLOGY: Chapter 1 to 18

MATHS:

Section – A

- Chapter 1: Relations
- Chapter 2: Functions
- Chapter 3: Binary Operations
- Chapter 4: Inverse Trigonometric Functions
- Chapter 5: Determinants
- Chapter 6: Matrices
- Chapter 7: Continuity and differentiability of functions
- Chapter 8: Differentiation
- Chapter 9: Indeterminant forms of limits
- Chapter 10: Mean Value Theorems
- Chapter 11: Application of Derivatives
- Chapter 12: Maxima and Minima
- Chapter 13: Indefinite Integral – I
- Chapter 14: Indefinite Integral – II
- Chapter 15: Indefinite Integral – III
- Chapter 16: Definite Integrals
- Chapter 17: Differential Equations
- Chapter 18: Probability
- Chapter 19: Baye's Theorem

Section – B

- Chapter 21: Vectors
- Chapter 22: Vectors
- Chapter 23: 3-Dimensional Geometry
- Chapter 24: The Plane
- Chapter 25: Application of Integrals

Section – C

- Chapter 26: Application of Calculus in Commerce and Economics
- Chapter 27: Linear Regression
- Chapter 28: Linear Programming

COMPUTER:**Theory:**

- Chapter -1: Boolean Algebra
 - Chapter -2: Computer Hardware
 - Chapter -6: Function
 - Chapter -10: Operation on Files
 - Chapter -12: Concept & Inheritance
 - Chapter -13: Exception Handling
 - Chapter -14: Simple Data Structure
 - Chapter -15: Recursive Data Structure
- Note: Including first periodic and first term portion also

Practical: Java