

AMUEEE Syllabus - Physics

Units	Topics
Unit 1	Physical World and Measurement
Unit 2	Kinematics
Unit 3	Laws of Motion
Unit 4	Work, Energy and Power
Unit 5	Motion of System of Particles and Rigid Body
Unit 6	Gravitation
Unit 7	Properties of Bulk Matter
Unit 8	Thermodynamics
Unit 9	Behaviour of Perfect Gas and Kinetic Theory
Unit 10	Oscillations and Waves
Unit 11	Current Electricity
Unit 12	Magnetic Effects of Current and Magnetism
Unit 13	Electromagnetic Induction and Alternating Currents
Unit 14	Electromagnetic Waves
Unit 15	Optics
Unit 16	Dual Nature of Matter and Radiation
Unit 17	Atoms & Nuclei
Unit 18	Electronic Devices
Unit 19	Communication Systems

AMUEEE Syllabus - Chemistry

Units	Topics
Unit 1	Environmental Chemistry
Unit 2	Structure of Atom
Unit 3	Classification of Elements and Periodicity in Properties
Unit 4	Chemical Bonding and Molecular Structure
Unit 5	States of Matter: Gases and Liquids
Unit 6	Thermodynamics
Unit 7	s-Block Elements (Alkali and Alkaline Earth Metals)
Unit 8	Equilibrium
Unit 9	Some Basic Concepts of Chemistry
Unit 10	Some p-Block Elements
Unit 11	Organic Chemistry – Some Basic Principles and Techniques

Units	Topics
Unit 12	Hydrocarbons
Unit 13	Hydrogen
Unit 14	Polymers
Unit 15	Biomolecules - Carbohydrates, Proteins, Hormones, Vitamins, Nucleic Acids
Unit 16	Organic Compounds Containing Nitrogen - Amines, Cyanides and Isocyanides, Diazonium Salts
Unit 17	Aldehydes, Ketones and Carboxylic Acids
Unit 18	Haloalkanes and Haloarenes
Unit 19	Properties of Bulk Matter
Unit 20	D and f Block Elements: Lanthanoids, Actinoids
Unit 21	Coordination Compounds

AMUEEE Syllabus - Mathematics

Units	Topics
Unit 1	Coordinate Geometry
Unit 2	Straight Lines, Permutations and Combinations
Unit 3	Sets and Functions
Unit 4	Conic Section
Unit 5	Relations & Functions
Unit 6	Introduction to Three Dimensional Geometry
Unit 7	Trigonometric Functions
Unit 8	Calculus
Unit 9	Limits and Derivatives
Unit 10	Mathematical Reasoning
Unit 11	Algebra
Unit 12	Principle of Mathematical Induction
Unit 13	Probability
Unit 14	Complex Numbers
Unit 15	Quadratic Equations
Unit 16	Binomial Theorem
Unit 17	Sequence and Series

Units

Topics

Unit 18 Linear Inequalities