

# OSSC ATO Syllabus 2024

## Communicative English Syllabus

Topics Covered in Communicative English Syllabus for OSSC ATO Syllabus		
Subject	Topics	
Communicative English	Literature Appreciation	Application of English Grammar
	Text	Reading Comprehension
	Vocabulary	Formal Writing Skills
	Elements of Communication	Introduction to Communication
	Professional Communication	Nonverbal Communication

## Physics Syllabus

Topics Covered in Physics Syllabus for OSSC ATO Syllabus		
Subject	Topics	
	Units and Dimensions	Optics

Physics Syllabus	Scalars and Vectors	Electrostatics & Magnetostatics
	Kinematics, Work and Friction	Current Electricity
	Gravitation	Electromagnetism & Electromagnetic Induction
	Oscillations and Waves	Modern Physics
	Heat and Thermodynamics	

## Chemistry Syllabus

Topics Covered in Chemistry Syllabus for OSSC ATO Syllabus		
Subject	Topics	
Chemistry Syllabus	Physical Chemistry	Organic Chemistry
	Atomic Structure	Hydrocarbons
	Chemical Bonding	Chemicals in Agriculture
	Solutions	Industrial Chemistry
	Electrochemistry	Water Treatment

	Inorganic Chemistry	Lubricants
	Metallurgy	Fuel
	Alloys	Polymer

## Mathematics Syllabus

Topics Covered in Mathematics Syllabus for OSSC ATO Syllabus		
Subject	Topics	
Mathematics Syllabus	Vector Algebra	Differential Equation
	Limits and Continuity	Integration
	Derivatives	

## Mechanics Syllabus

Topics Covered in Mechanics Syllabus for OSSC ATO Syllabus		
Subject	Topics	
Mechanics Syllabus	Fundamentals of Engineering Mechanics	Centroid & Moment of Inertia
	Equilibrium	Simple Machines

	Friction	Dynamics
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## Electronics Syllabus

Topics Covered in Electronics Syllabus for OSSC ATO Syllabus		
Subject	Topics	
Basic Electronics Syllabus	Electronic Devices	Fundamentals, A.C. Theory
	Electronic Circuits	Generation of Electrical Power
	Communication System	Conversion of Electrical Energy
	Transducers and Measuring Instruments	Wiring and Power Billing
	Entrepreneurship, Management & Smart Technology	Measuring Instruments

## Computer Application Syllabus

Topics Covered in Computer Application Syllabus for OSSC ATO Syllabus	
Subject	Topics

Computer Application Syllabus	Computer Organisation	Problem Solving Methodology
	Computer Software	Overview of C Programming Language
	Computer Network and Internet	Advanced Features of C
	File Management and Data Processing	

## Diploma Level Engineering Drawing Syllabus

Topics Covered in Diploma Level Engineering Drawing Syllabus for OSSC ATO Syllabus		
Subject	Topics	
Diploma Level Engineering Drawing Syllabus	Introduction to Engineering Drawing	Methods of presentation of Engg. Drawing
	Drawing Instruments	Symbolic representation
	Free hand drawings	Projections
	Lines	Orthographic projection from isometric projection
	Polygons	Reading of fabrication drawing

	Ellipse	Dimensioning & its practice
	Geometrical figures	Types of arrowhead
	Solid objects	Sizes & layout of drawing sheets
	Hand tools & measuring tools	Lettering & Numbering
	Lines, Drawing of Geometrical figures	

## Engineering Mathematics Syllabus

Topics Covered in Engineering Mathematics Syllabus for OSSC ATO Syllabus		
Subject	Topics	
Engineering Mathematics	Matrices and Determinants	Circle, Coordinate Geometry in three Dimensions
	Trigonometry	Sphere
	Coordinate Geometry in two Dimensions	