

HASMUKH GOSWAMI COLLEGE OF ENGINEERING, VAHELAL

SYLLABUS FOR MID SEM EXAM-MARCH-2018

FIRST YEAR-2ND SEM

Semester	Sub Code	Subject	Unit No(GTU Syllabus)	Unit Name(GTU Syllabus)
CE/IT/EC/EE	2110011	PHY	1,3,5	DIELECTRICS, ACOUSTIC AND ULTRASONIC, NON LINEAR OPTICS, LASER
	2110013	EG	1,2,3,4	Introduction to Engineering Graphics:Engineering Curves:Projections of Points and Lines: Projections of Planes
	2110015	VCLA	1,2,3	Systems of Linear Equations and Matrices (ALL) Linear Combinations and Linear Independence (ALL) Vector Spaces Definition of a Vector Space Subspace Basis and Dimension Coordinates and Change of Basis Linear Transformations Eigenvalues and Eigenvectors Eigen values and Eigen vectors Diagonalization
	2110016	BE	1,2,3,4	Circuit Concepts, Circuit Analysis Techniques:, Analog Building Blocks and Operational Amplifiers Basic ideas,Digital Building Blocks
MECH/AUTO/ CIVIL	2110003	CPU	1,2,3	Introduction to computer and programming, Fundamentals of 'C' Control structure in 'C' Simple statements, Decision making statements, Looping statements, Nesting of control structures, break and continue , goto statement
	2110005	EEE	1	Elementary Concepts, Electrostatics, Electromagnetism (up to induced EMF)
	2110006	EME	1,2,3,5,6,7,9	Introduction , Energy: Properties of gases Heat Engines Steam Boilers:Internal Combustion Engines:Air Compressors:
	2110007	ES	1,3,4,5	Introduction to Environment and Environmental Studies ,Natural Resources , Human Population and Environment, Environmental pollution:
	2110015	VCLA	1,2,3	Systems of Linear Equations and Matrices (ALL) Linear Combinations and Linear Independence (ALL) Vector Spaces Definition of a Vector Space Subspace Basis and Dimension Coordinates and Change of Basis Linear Transformations Eigenvalues and Eigenvectors Eigen values and Eigen vectors Diagonalization