

HASMUKH GOSWAMI COLLEGE OF ENGINEERING, VAHELAL

SYLLABUS FOR MID SEM EXAM-MARCH-2018

AUTO

Semester	Sub Code	Subject	Unit No(GTU Syllabus)	Unit Name(GTU Syllabus)
8th	2180206	ASD	1,2,3,4,6	Design of Clutch, Propeller shaft, Axle, Steering, Suspension
	2180211	SPV	1,2,3,4,5	Introduction, Principle and Design Consideration,Constructional Instrumentation, Tractors, Mobile Crane
	2180212	AIE	1,2,3,4	Introduction, Quality Management, Productivity and Work study, Reliability Engineering
	2180210	ACET	2,3,4,5	Starified charge Combustion,Turbocharged ignition,Direct Ignition, HCCI engine
Semester	Sub Code	Subject	Unit No(GTU Syllabus)	Unit Name(GTU Syllabus)
6th	2160205	ACBE	1,2,3	Vehicle Chasis, Car Body, Bus Body and Commercial Vehicle
	2160207	AFPS	1,2,3,4	Biofuels: Alcohol, Bio-diesel and Bio-gas, LPG & CNG
	2160208	ACCS	1,2,3,7	Introduction, ECM, Digital Electronics, Additional Technology
	2161901	DOM	1,2,3,4	Balancing of Rotating Masses, Dynamics of Reciprocating Engines, Inroduction to Mechanical Vibrations, Single Degrees of Freedom System (Linear and Torsional), Vibration Measurement, Cam Dynamics.
	2161903	CAD	1,2,3	Introduction, Curves and surfaces, Mathematical Represent of solids
	2161908	RAC	1,2,3,4	Introduction, Refrigerant, Air refrigeration, Vapour compression system
Semester	Sub Code	Subject	Unit No(GTU Syllabus)	Unit Name(GTU Syllabus)
4th	2140003	EEM	1,2,3,4,5	Introduction to Economics,Theory of Production,Markets,Basic Economic Problem,Money
	2140203	AE	1,2,3,5,8	Engine Construction, Two Stroke Engine, SI engine fuel system, Cooling and Lubrication, Supercharging and Turbocharging
	2141901	MMM	1,2,3,6,7	Mechanical Measurements, Linear and Angular measurements, Measurements of Force,Torque and Strain, Metrology, Metrology for Screw and Gear threads
	2141906	FM	1,2,3,4,7	Fluids and Their Properties,Pressures and Head,Static Forces on Surface and Buoyancy,Motion of Fluid Particles and Streams,Dimensional Analysis And Similarities
	2141905	CVNM	1,2,3,4	
	2141907	MDID	1,2,3	Introduction, Columns and Beam, Shafts key and Coupling