

Shantilal Shah Engineering College – Bhavnagar
Department of Instrumentation & Control Engineering
GTU PAT Examination Syllabus – WINTER (ODD) 2019

Semester: - 7th

Subject Name: - Industrial Drive & Control (2171707)

Unit No.	Topic
1	Electrical Drives-An Introduction Electrical Drives-Advantages of electrical drives-components of electrical drives-selection of electrical drives.
2	Modelling of DC Machines Theory of operation-Induced Emf-equivalent circuit & Electromagnetic Torque-Electro-mechanical Modelling-State-Space Modelling-Block Diagram & Transfer function-Field Excitation-Measurement of Motor Constants.
3	Control of DC Drives: Controlled rectifier based drives, Modes of operation, Speed control & Drive classification-Closed Loop speed control of Drives