Nirma University
Institute of Technology
Department of Electrical Engineering
Subject: EE504-Power Electronic Converters
Class Test Syllabus

Sr.No.	Topic
	CHOPPERS
1	Introduction and principle of choppers
2	Various control strategies – Time ratio control and Current-limit control
3	Analysis of step up/step down chopper
4	Class A, B, C choppers
5	Class D & Class E chopper
6	Voltage commutated chopper
7	Current commutated chopper
	SWITCHED MODE POWER SUPPLIES
8	Analysis of Buck converter
9	Analysis of Boost converter
10	Analysis of Buck-Boost Converter
11	Need of isolated converter
12	Analysis of Forward Converter

References:

1. L Umanand: Power Electronics, Essentials & Applications, Wiley India, 2011.
2. Dr. P. S. Bhimbhara: Power Electronics, Khanna Publishers, New Delhi, 2001.