Friday, 06 November 2009 14:49 -			-
ar			
Subject Code		<u> </u> :	
IA Marks	: 25		
No. of Lecture Hrs/Week		: 04	

Total no. of Lecture Hrs.	: 52

: 03

Exam Marks	: 100

PART - A

Exam Hours

Unit - 1

Written by Administrator Friday, 06 November 2009 14:49 -

Microwave transmission lines: Introduction, transmission lines equations and solutions, reflection and transmission coefficients, standing waves and SWR, line impedance and line admittance. Smith chart, impedance matching using single stubs, Microwave coaxial connectors.

7 Hours

Unit - 2

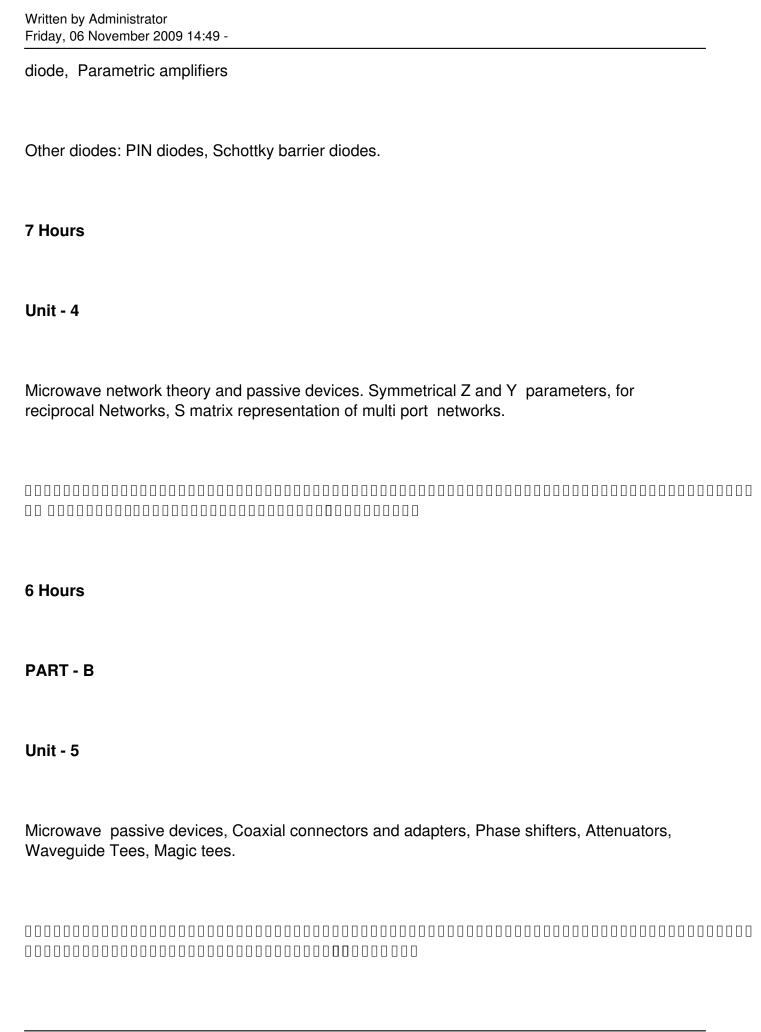
Microwave waveguides and components: Introduction, rectangular waveguides, circular waveguides, microwave cavities, microwave hybrid circuits, directional couplers, circulators and isolators.

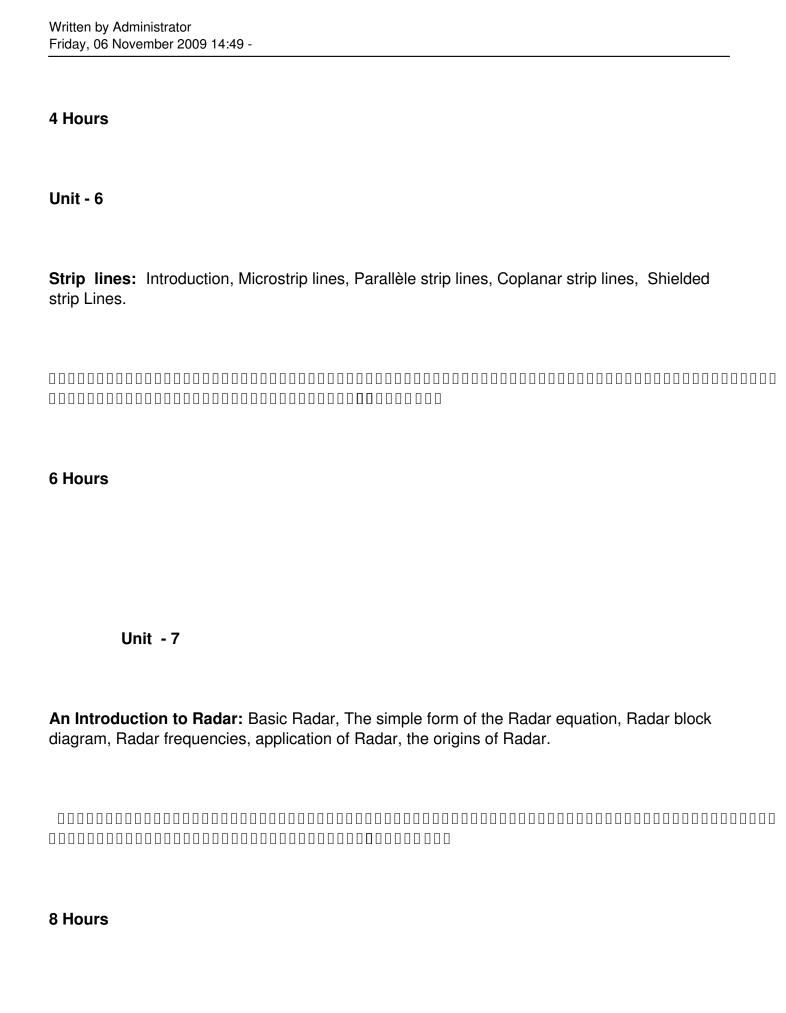
7 Hours

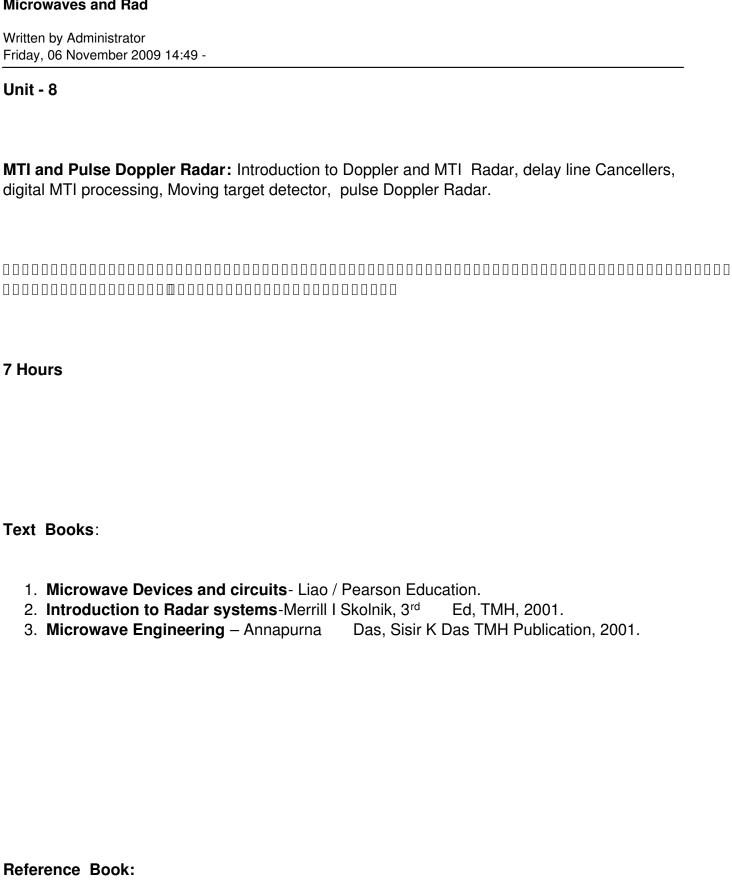
Unit - 3

Microwave diodes,

Transfer electron devices: Introduction, GUNN effect diodes – GaAs diode, RWH theory, Modes of operation, Avalanche transit time devices: READ diode, IMPATT diode, BARITT







1. Microwave Engineering – David M Pozar, John Wiley, 2e, 2004.

Written by Administrator Friday, 06 November 2009 14:49 -