

Microwaves and Radar

Written by Administrator

Saturday, 07 November 2009 06:44 -

Subject Code		:
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IA Marks		: 25
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No. of Lecture	Hrs/Week		: 04
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Exam Hours		: 03
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Total no. of Lecture	Hrs.		: 52
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Exam Marks		: 100
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PART - A

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

Other diodes: PIN diodes, Schottky barrier diodes.

7 Hours

Unit - 4

Microwave network theory and passive devices. Symmetrical Z and Y parameters, for reciprocal Networks, S matrix representation of multi port networks.

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6 Hours

PART - B

Unit - 5

Microwave passive devices, Coaxial connectors and adapters, Phase shifters, Attenuators, Waveguide Tees, Magic tees.

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