

Unit-III

S.No	Questions	BT	CO	PO
Part – A (Short Answer Questions)				
1	Write a short note on wave guide iris	L1	C03	PO1
2	What is Magic Tee?	L1	C03	PO1
3	Draw the structure of capacitive Iris and resonant Iris?	L2	C03	PO2
4	Calculate coupling factor of a directional coupler, if $P_{in} = 100$ mW and Couplingpower is 10 mW.	L2	C03	PO2
5	Write short note on waveguide windows	L1	C03	PO1
6	What is E-plane tee	L1	C03	PO1
7	Write operation of circulator	L1	C03	PO1
8	Explain the faraday rotation	L1	C03	PO1
9	Write short note on wave guide bends	L1	C03	PO1
10	What is the operation of Isolator	L1	C03	PO1

Part – B (Long Answer Questions)

11	a)	Explain the Coupling mechanism of probe and aperture?	L1	C03	P02
	b)	Explain the operation of E-Plane and H-plane tee	L1	C03	PO2
12	a)	What is a precision rotary attenuator? Explain its operation.	L2	C03	PO1
	b)	Explain the operation of isolator	L1	C03	P02
13	a)	Explain the operation of Circulator	L2	C03	PO1
	b)	Explain the operation of gyrator	L2	C03	P05
14	a)	Discuss various types of Waveguide phase shifter	L2	C03	PO1
	b)	What is faraday rotation explain its characteristics	L3	C03	P03
15	a)	What is Magic Tee? Why it is called so? Explain the characteristics of the tee considering various input/output conditions?	L3	C03	P03
	b)	Explain the construction and working of Directional	L1	C03	PO1
		Coupler. Under what conditions does the coupler give maximum directivity?			
16	a)	What is Circulator? Explain the various applications of Circulator	L3	C03	PO1
	b)	Discuss various types of Waveguide attenuators	L3	C03	PO1