



SRM University
Faculty of Engineering and Technology
Department of Electronics and Communication Engineering
Cycle Test-I

Sub Code: 15EC304

Sub Name: Antenna and Wave Propagation

Sem/Year: VISEm/ III Year B.Tech/ Batch 1

Date : 29.08.2017

Time : 2 Periods(AN)

Marks : 50

Mapping of Student Outcomes (SO) with Instructional Objectives (IO) for this course

SO	a	b	c	d	e	f	g	H	i	j	k
	X	X	X		X						
Mapping of IO with SO	1,2,3,4	3,4	5		1,2,3,4						

Instructional Objectives

1. Acquire knowledge about the various antenna parameters.
2. Enumerate the concept of antenna arrays and its radiation pattern.
3. Understand the basic working of antenna.
4. Analyze the various methods involved in the measurement of antenna parameters
5. Understand the radio wave propagation in the atmosphere.

Student Outcomes

- a) an ability to apply knowledge of mathematics, science, and engineering
- b) an ability to design and conduct experiments, as well as to analyze and interpret data
- c) an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
- d) an ability to function on multidisciplinary teams
- e) an ability to identify, formulate, and solve engineering problems
- f) an understanding of professional and ethical responsibility
- g) an ability to communicate effectively
- h) the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
- i) a recognition of the need for, and an ability to engage in life-long learning
- j) a knowledge of contemporary issues
- k) an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

