

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATION- 2025

PhD-I Semester (PMS)

COURSE CODE (CREDITS): 15P1 WPH215 (3)

MAX. MARKS: 25

COURSE NAME: Microstrip Antenna Design

COURSE INSTRUCTORS: SKK

MAX. TIME: 1.5 Hour

Note: (a) All questions are compulsory.

(b) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems

Q.No	Question	Marks
1	What is a Microstrip Antenna. How is it different from a capacitor	5
2	The concern of microstrip antenna is bandwidth, how can we overcome it	5
3	What is difference between omnidirectional and directional pattern. How is gain of microstrip antenna related to it.	5
4	Design a microstrip rectangular patch antenna for frequency of 2 GHz on a dielectric of 4.2. write all its design parameters.	10