



MANIPAL INSTITUTE OF TECHNOLOGY

MANIPAL

(A constituent unit of MAHE, Manipal)

Department of Aeronautical and Automobile Engineering

Manipal Institute of Technology, Manipal

M. Tech (I-Semester), Avionics Engineering

2022-2023

Subject: AAE 5152 DIGITAL AVIONICS AND EMI/EMC [3 1 0 4]

Date: 02-11-2022

Max Time: 60 Min

Max. Marks: 15

Instructions –

1. Closed Book Exam.
2. Mobile/Tab/Laptop/Notes/PDF are not allowed.

Que.	Description	Marks
Q.1	Derive the Expression for the Electromagnetic Waves in rectangular Waveguide.	5
Q.2	What is Avionics system?	2
Q.3	Explain Fly-by-Wire control system?	3
Q.4	Explain Electromagnetic Environment?	3
Q.5	Explain GPS system?	2