



MANIPAL INSTITUTE OF TECHNOLOGY

MANIPAL

(A constituent unit of MAHE, Manipal)

SEVENTH SEMESTER B. TECH (ELECTRONICS AND INSTRUMENTATION)

PROCTORED ONLINE END SEMESTER EXAMINATION Dec. 21/Jan. 22

SUBJECT: Wireless Sensor Technology (ICE 4070)

TIME: 2:00 PM

DATE: 15-12-2021

MAX MARKS 20

Note: Answer All questions.

1	A	Explain the object model of network resource manager of wireless sensor network.	4
	B	Find the transmit interval, if $M=11100110$ and $P = 10001$	3
	C	Explain the stack reference model of Zigbee.	3
2	A	What does the term latency mean in a zigbee network? Explain with an example	3
	B	Explain the hierarchical model of sensor network in a smart grid system	3
	C	With the neat block diagram explain the sensor interconnection in a smart transport system	4