

CRM08

Rev 1.10

<EC>

<22/03/2022>

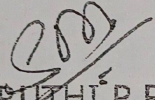
**CONTINUOUS INTERNAL EVALUATION - 3**

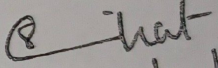
Dept: ECE	Sem / Div: I DEF	Sub: Basic Electronics & Communication Engineering	S Code: 21ELN14
Date: 08/04/22	Time: 9:30-11:00 am	Max Marks: 40	Elective: N

Note: Answer any 2 full questions, choosing one full question from each part.

QN	Questions	Marks	RBT	CO's
<b>PART A</b>				
1	a Describe the blocks of the basic communication system with a neat block diagram.	8	L2	CO4
	b Differentiate: Amplitude modulation versus Frequency modulation Differentiate Analog modulation versus Digital modulation.	8	L3	CO4
	c Define an antenna and discuss different types of antennas.	4	L2	CO4
<b>OR</b>				
2	a Explain Pulse Modulation and its types with neat waveforms.	8	L2	CO4
	b Discuss various multiple access techniques used in cellular networks.	8	L3	CO4
	c Write short notes on: Forward Error Correction, Automatic Repeat Request	4	L2	CO4
<b>PART B</b>				

3	a	With the help of a block diagram explain the generalized configuration of a fiber optic communication system.	8	L3	CO4
	b	Bring out the features of FM transmitter, FM receiver and repeaters in microwave communications.	8	L2	CO4
	c	Explain wireless network topologies.	4	L2	CO4
<b>OR</b>					
4	a	Draw the block diagram showing the basic elements of a satellite communication system and briefly explain them.	8	L3	CO4
	b	Explain GSM system architecture with a neat block diagram.	8	L2	CO4
	c	What is Bluetooth? Explain Bluetooth architecture.	4	L2	CO4

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HOD 04/04/22