

Module – 3

Q.5	a.	Convert the following binary numbers to decimal i) 101110 ii) 1110101.11 iii) 110110100	12	L3	CO3
	b.	Write a note on Gray code and ASCII code.	8	L2	CO3

OR

Q.6		What are logic gates? Write the graphic symbol, algebraic function and truth table of all 8 logic gates.	20	L2	CO3
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Module – 4

Q.7	a.	Differentiate between a general purpose computing system and embedded system.	12	L2	CO4
	b.	Differentiate between a microcontroller and microprocessor.	8	L2	CO4

OR

Q.8	a.	Write a note on 7-segment display. Write the two configurations in 7-segment display.	8	L2	CO4
	b.	What is a stepper motor? Mention its classification based on coil winding arrangements and explain in detail.	12	L2	CO4

Module – 5

Q.9	a.	With a neat block diagram of a basic communication system explain modern communication system scheme.	12	L2	CO5
	b.	Explain Amplitude Modulation with Relevant waveforms.	8	L2	CO5

OR

Q.10	a.	With a neat diagram indicating the 3 different mode of propagation of the waves (Radio waves).	12	L2	CO5
	b.	Write a note on multiple access techniques.	8	L2	CO5
