Total No. of Questions: 4]	SEAT No.:	
P-5028	[Total No. of Pages :	: 1

[6187]-428

T.E. (Insem.) (Computer Engineering) COMPUTER NETWORKS & SECURITY (2019 Pattern) (Semester - I) (310244)

Time			: 30
	uctio 1)	ns to the condidates: Answer Q.1 or Q.2, Q.3 or Q.4.	
	<i>2)</i>	Neat diagrams must be drawn whenever necessary.	
	<i>3)</i>	Figures to the right side indicate full marks.	
	<i>4)</i>	Assume Suitable data if necessary.	
Q 1)	a)	Draw and explain OSI Model.	[6]
	b)	Explain Direct Sequence Spread Spectrum.	[5]
	c)	Explain i) Router ii) Switch.	[4]
Q2)	a)	Explain TCP/IP Model.	[6]
	b)	Draw Manchester and differential Manchester code for the bit seque 01001011.	nce: [5]
	c)	Explain Ring and Mesh topologies.	[4]
Q3)	a)	Justify answer using CRC for divisor: 1101 dividend: 100100.	[6]
	b)	Explain IEEE 802.15 frame format.	[5]
	c)	Give brief about design issues in DLL.	[4]
		OR OR	
Q4)	a)	What is sliding window protocol? How it works?	[6]
	b)	What is sliding window protocol? How it works? Explain CSMA in detail. Explain PPP	[5]
	c)	Explain PPP.	[4]

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