P-2875

SEAT No. : B 190954274

[Total No. Of Pages: 2

## [6004]-717 B.E.(Honors) INTERNET OF THINGS SECURITY

		(410603) (2019' Pattern) (Semester-VIII)	
Time	cs: 70		
		ns to the eandidates:	
	<i>1)</i>	Answer Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8.	
	2)	Neat diagrams must be drawn wherever necessary.	
	3)	Figures to the right indicate full marks.	
	<i>4)</i>	Assume suitable data, if necessary.	
			[7]
Q1)	a) <sub>0,</sub>	Explain in detail-security doals in 101.	[6]
	b)	What is Public-Key-Based Authentication? Explain with suitable exa	ample.
	3		[6]
	c) <sub>0</sub>	Explain - Existing Security Schemes for IoT.	[5]
	-)(1	OOR O	
Q2)	a)	What is Identity-Based Authentication? Explain with suitable exam	ple.[ <b>6</b> ]
	b)	Explain CoAP protocol for the foT environment.	[6]
	c)	What is Lightweight Cryptography? Explain with example.	[5]
Q3)	, a)	Explain the data life cycle in IoT, with suitable example.	(S)[6]
_	b)	How can we protect data in IoT? Which parameters are used to	protect
	3	the data in IoT?	· [6]
	<u>a)</u>	How can security he provided in the Network Layer of IoT Archit	tecture?
	c) /	How can security be provided in the Network Layer of IoT Archit	[6]
		OR OR	
		TA webites	4vr29[6]
Q4)	a)	How can security be provided in the Service Layer ToT Architec	stutes [o]
	b)	What are the Threats Caused in Maintenance of ToT?	[6]
	c)	How can security be provided in the Application Interface Layer Architecture?	er of IoT [6]
		Alcinicotaro.	P.T.O
		A Third Control of the Control of th	

<b>Q</b> 5)	a)	How to provide Security in Identification and Tracking Technologies?  Explain with suitable example.  [6]	
	b)	List and explain main potential attacks in 6LoWPAN. Discuss security protocols and privacy issues in 6LoWPAN. [5]	
	c)	Using which secutity schemes information in Wireless Sensor Networks (WSNs) can be protected? [6]	
		OR OR	
<b>Q6</b> )	a)	What are the security attacks in WSNs? How to avoid them? [6]	
	b)	What are the threats and challenges to achieve security in the - identification and tracking technologies of the IoT Environment. [5]	
	c) ·	How do you maintain confidentiality and security for IoT based health care applications? [6]	
Q7)	a) ų	How can security be provided in Smart Cities? [6]	
	<b>b)</b>	What can be the security threats to the Connected Cars? How can security be provided to Connected Cars? [6]	
	(c)	How can Blockchain Technology be used in the Security and Privacy in IoT?  [6]  OR	
Q8)	a)	Describe blockchain enabled food supply chain traceability system in detail.	
	b)	Comment on "Blockchain in IoT". [6]	]
	c)	Briefly discuss the case study on "Smart Home" [6	]
	Ą	Describe blockchain enabled food supply chain traceability system in detail.  Comment on "Blockchain in IoT".  [6]  Briefly discuss the case study on "Smart Home" [6]	
		Government of the second of th	