Total No. of Questions: 8]				200	SEAT No.:	
P9120			. (3	[Total	No. of Pages : 2
[6179] 246						
S.E. (Artificial Intelligence & Data Science)						
INTERNET OF THINGS						
(2019 Pattern) (Semester - IV) (217529)						
Time: 2½ Hours] [Max. Marks: 76						
Instruct	ions to	the candidates:				
1) Attempt Questions Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8.						
2)	Draw neat and Clean diagrams.				300	
3)	Assun	ne suitable data,	if necessary.			
Q1) a)	Explain with the help of a neat diagram the components of IO pros and cons?					
b)	b) With the help of following sector justify how IOT technology on end to enduser.					ogy impacting [9]
	i)	Big Data Ana	lytics	9		
	ii)	Telematics		7/1		
	iii)	Home Autom	ation	Y		
			OR			
Q2) a)	Explain in brief SCADA with block diagram and SCADA function with middleware structure?					A functionality [9]
b)	How IOT plays an important role in smart city, smart appliances, sm parking, smart lightning?					
Q3) a)		•	gram of RFID s and weaknesse	•		
b)	b) Explain with the help of a neat diagram cellular Machine to application network?					
			OR		00	
Q4) a)	a) Differentiate MQTT and CoAP Protocol?					[9]
b)	Explain advanced message queuing protocol with architectural diagram?					
				S. Ye		<i>P.T.O.</i>

Why is security required in IOT? Explain in detail various security models **Q5)** a) in the Internet of Things. [10]What is threat analysis in the Internet of Things? Explain details of threat b) analysis. [8] What is Internet of Things security tomography? Explain in detail layered **Q6**) a) attacker model? [10]Explain Analog and digital sensors with 2 examples each? b) [8] Write a detailed business model scenario for the Internet of Things. [7] **Q7)** a) Explain in detail application of Internet of Things in city automation and b) home automation. [10]OR and busin Write applications of Internet of Things for e-health body area network. [7] **Q8**) a) Explain in detail business model and business innovation in the Internet of Things. [10]ROLLOW OF THE PARTY OF THE PART