





School of Electronics Engineering RFID and Flexible Sensors (ECE3035)

Time Duration: 90 Minutes Class Number: VL2019205005637	CAT-I	Max.Marks:50 Slot: G1+TG1
Answer for all the questions:		***************************************
 Describe the various elements of a R types of Auto ID technologies and m technology. 	RFID system and its sub-s nention the differences be	systems. Explain the various etween barcode and RFID [10]
2. a) List out the differences between act formats, the transponders are comme	ctive and passive transport rcially available.	nders. In which are all the
(b) Explain all the layers and compone connect the readers of RFID to the en	ents involved in the midenterprise IT network.	dleware which is used to [7]
3.(a) Give a brief note about the couplin need of anti-collision protocol in back b) How the RFID systems characterized	kscatter coupling? Expla	in your answer. [5]
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4. Case (i): Smart companies are striving on investment throughout the supply crole in meeting those goals by transfer	chain. Automation-based	d solutions can play a crucial
Case (ii): A library management system in your library. A well-chosen system administration time, lead to a better ed independent learning.	will increase your librar	y's efficiency, save valuable
Suggest how RFID system can be emp	loyed in these cases (ca	se (i) and case (ii))? [10]
a) An antenna is operating at 20MHz. type of coupling? Justify your answer		of the antenna, what is the [5]
b) Can RFID tags be used as a data stomemory structure with an example. Litags which are commercially available	ist some examples of sto	