Duration (H:M) : 1:15	Date: 21-06-2021	
Max. Marks : 40		

	Note: Answer Any Two Full Questions	
Q.No	Questions	Marks
1a	Consider the scenario controlling the various objects (Servers, Printer, UPS, Security Camera and Air Conditioner) in Data Center through mobile phone. Explain how Publish/Subscribe model in MQTT will help in achieving the above scenario.	10
1b	Write the purpose and process model specification and explain the Domain model specification in IoT system design methodology for Home Automation System.	10
2a	Explain the architecture of AMQP protocol. Also differentiate between MQTT broker and AMQP broker.	10
2b	Explain the components of Raspberry Pi and also explain any three applications for which XML is useful.	10
3a	Discuss the features of RIOT operating system and write the code to interface ultrasonic sensor with the RPi board.	10

3b	Differentiate between
	    i. XML and HTML
	    ii. REST and SOAP web services.
		10