(6)

(9)

May 2023

B.Tech. - VI SEMESTER (Reappear)

	Internet of Things (EIEL-601)	
Time: 3 Ho	ours Max. Marks	s:75
Instruction	s: 1. It is compulsory to answer all the questions (1.5 marks each) of Part -A in short.	
2	2. Answer any four questions from Part -B in detail.	
	3. Different sub-parts of a question are to be attempted adjacent to each other.	
	PART -A	
Q1 (a) V	Which of the communication protocols are used by IoT?	1.5)
(b) I	Define MQTT.	1.5)
(c) \	What is IoT connectivity?	1.5)
(d) I	Define Actuator.	(1.5)
(e) \	What is a wireless sensor network?	[1.5]
(f)	What is the significance of analyzing the data generated by IoT application? (1.5)
(g) '	What is the limitation of barcode over RFID system?	(1.5)
(h) '	What is the use of SPI and I2C interfaces on raspberry pi?	(1.5)
(i) '	What is the goal of open architecture?	(1.5)
(i)	What is the importance of the Internet of Everything?	(1.5)
	PART -B	
Q2 (a) '	What are the protocols associated with network/internet layer of IoT? Explain	(9)
	them in detail.	(6)
(0)	Compare the protocols associated with transport layer of IoT.	(U)
Q3 (a)	Draw the structure of M2M Gate way Network.	(6)
(b)	Explain the differences between Machines in M2M and Things in IOT?	(9)
04 (-)	Milet are the begin energtions available in CoAP protocol? Priofly explain	(Q)
A 055 050	What are the basic operations available in CoAP protocol? Briefly explain. What are the major Privacy and Security Issues in case of Internet Of Things	(9) (6)
(5)	(IoT)?	(-)
OE (a)	Which protocol is used to link all the devices in the IoT? Explain in detail.	(8)
	Explain Raspberry Pi GPIO headers with neat diagram.	(7)
(-)		. ,
Q6 (a)	CONTRACTIVES AND SERVE SE SECURIOR CONTRACTOR CONTRACTO	(10)
(b)	Network Technology in IoT. What are the major Privacy and Security Issues in case of Internet Of Things?	(5)
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Q7 (a)	List and explain the requirements that IoT application for industrial	(6)

(b) How IoT technology is impacting the healthcare sector and changing our

application should meet.

everyday lifestyle.