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				Sı	ıbje	ct C	ode	<b>M</b>	ΓEC	031	
Roll No:											

## MTECH (SEM II) THEORY EXAMINATION 2021-22 INTERNET OF THINGS

Time: 3 Hours Total Marks: 100

Notes:	104: 1	
_	l Sections and Assume any missing data.	
	te marks are allotted to each question, answer accordingly.	
SECTION-A	Attempt All of the following Questions in brief	Marks (10*2=20)
Q1(a) What is		
Q1(b) What is	Machine to Machine communication (M2M)?	
Q1(c) Differen	tiate between Web of Things and Internet of Things.	
Q1(d) What are	e different components required for IoT device?	
	IoT Analytics?	
- , ,	the significance of application layer in IoT system?	
Q1(g) What is		
	e the different wireless technologies used in IoT systems?	
	the importance of the Internet of Everything?	
	short note on Light Dependent Resistor.	
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SECTION-B	Attempt ANY THREE of the following Questions	Marks (3*10=30)
	you mean by building blocks of IoT? Explain.	
	e the architecture of IOT & explain about the main compon	
Q2(c) What are	e WSN (Wireless Sensor Networks)? Name the different	wireless technologies
What is	the relation between WSN and IOT?	
Q2(d) Explain	the various elements of a Zig bee wireless network. Descri	ibe the applications o
	wireless network.	
Q2(e) Describe	e how the environment can be more protected with the help	of IoT technology in
	owing categories: (i) Air pollution monitoring (ii) Noise pol	
	est fire detection (iv) River flood detection	
SECTION-C	Attempt ANY ONE following Question	
Q3(a) What are		
- \ /	e different wired and wireless connectivity we can used in	
example	e different wired and wireless connectivity we can used in	
example	e different wired and wireless connectivity we can used in	
example Q3(b) Explain	e different wired and wireless connectivity we can used in c. different networking and communication model in IoT.	IoT explain with
example Q3(b) Explain SECTION-C	e different wired and wireless connectivity we can used in e.  different networking and communication model in IoT.  Attempt ANY ONE following Question	IoT explain with
example Q3(b) Explain  SECTION-C Q4(a) Explain	e different wired and wireless connectivity we can used in a different networking and communication model in IoT.  Attempt ANY ONE following Question  Near Field Communication (NFC) and RFID.	IoT explain with  Marks (1*10=10
example Q3(b) Explain  SECTION-C Q4(a) Explain Q4(b) Describe	e different wired and wireless connectivity we can used in a different networking and communication model in IoT.  Attempt ANY ONE following Question Near Field Communication (NFC) and RFID. e an example of an IoT system in which information and kn	IoT explain with  Marks (1*10=10)  nowledge are inferred
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example 23(b) Explain  SECTION-C 24(a) Explain 24(b) Describe from the	e different wired and wireless connectivity we can used in a different networking and communication model in IoT.  Attempt ANY ONE following Question Near Field Communication (NFC) and RFID. e an example of an IoT system in which information and kn	IoT explain with  Marks (1*10=10  nowledge are inferred
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example Q3(b) Explain  SECTION-C Q4(a) Explain Q4(b) Describe from the Explain  SECTION-C Q5(a) What are Q5(b) What eff example  SECTION-C Q6(a) Explain Q6(b) Write a p based se  SECTION-C Q7(a) Draw an	different wired and wireless connectivity we can used in a different networking and communication model in IoT.  Attempt ANY ONE following Question Near Field Communication (NFC) and RFID. e an example of an IoT system in which information and kneed data. What are the protocols associated with network/intention in detail.  Attempt ANY ONE following Question e the different layers of IoT protocols? Explain the function feet will the internet of things (IoT) have in healthcare? Explain the function of the smart device.  Attempt ANY ONE following Question briefly about Low Energy Bluetooth device. program of basic Wi-Fi application — Communication betweensor nodes.  Attempt ANY ONE following Question  Attempt ANY ONE following Question	Marks (1*10=10)  nowledge are inferred rnet layer of IoT?  Marks (1*10=10)  ms of each layer.  plain with any one  Marks (1*10=10)  ween two MSP430  Marks (1*10=10)  ms of each layer.

operational efficiency, lower costs, reduce waste, and improve the quality of their yield.