Hall Ticket No								Question	Paper Code: ACS510
	NS1	ΓΙΤυτ	ΈO	F AE		<b>DNAL</b> atonor		<b>CAL ENGINEERI</b> <sup>s)</sup>	NG
B.Tech VI Semester End Examinations (Regular), November – 2020 Regulation: IARE–R16 INTERNET OF THINGS									
Time: 2 Hours						(CSE	IT	)	Max Marks: 70
					•	•		s from Part A s from Part B	
					]	PART	$-\mathbf{A}$		
1. Explain in deta	ail al	oout vari	ous Io7	f enabli	ing te	chnologi	$\mathbf{es.}$		[5M]
2. What is the need of IoT system management?							[5M]		

- 3. Write a detailed note on packages in python?
- 4. Evaluate the steps to controlling LED with Raspberry Pi using python.
- 5. Discuss in detail about weather reporting bot.
- 6. Describe about IoT Level-1 and IoT Level-3.

7. Explain in detail about M2M with a block diagram.

8. List the various steps for installing a python.

## $\mathbf{PART} - \mathbf{B}$

9. Describe briefly about physical design of IoT with interoperable communications Protocols.	[10M]
10. Write short notes on smart grid, renewable energy systems and prognostics?	[10M]
11. Compare and contrast software defined networks and network function virtualization for IoT.	[10M]
12. Recall the concept of network function virtualization for IoT.	[10M]
13. Explain the various stages of IoT architecture and compare the differences of all the stages.	[10M]
14. List and explain various python data types & data structures with examples.	[10M]
15. Discuss in detail about sensing, actuation and communication, analysis process of IoT.	[10M]
16. Explain in detail about interfacing a light display sensor (LDR) with Raspberry Pi.	[10M]
17. Develop a case study for illustrating IoT design of smart lightning in home automation.	[10M]
18. Explain about service and deployment models used in IoT cloud? Write in detail about various AI IoT Cloud?	PI's used in [ <b>10M</b> ]

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[5M]

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