	Paper / Subject Code: 53702 / Internet of Things	
l	\mathbf{S}^{T} .	No. 100
	. (2½ Hours) [Total Marks: 75]	
T	•	
N. I	B.: (1) <u>All</u> questions are <u>compulsory</u> . (2) Make <u>suitable assumptions</u> wherever necessary and <u>state the assumptions</u> made.	
	(3) Answers to the same question must be written together.	1.85
	(4) Numbers to the <u>right</u> indicate <u>marks</u> .	
	(5) Draw <u>neat labeled diagrams</u> wherever <u>necessary</u> .	
	(6) Use of Non-programmable calculators is allowed.	SAM
	(0) Use of Iton-programmass.	
i	Attempt any three of the following:	15
•	Define and explain Ubiquitous Computing (ubicom),	
).	List and explain the roles of people making 101.	
,.	Transit Control of the left Hypiann	1.
1.	What is manufactured normally field. Explain: "Data available through IOT device belongs to public or company which implement the	a de la companya de
1.	IOT device". Discuss.	
3	What is DNS? How does it work?	*
e. f.	What are TCP n UDP ports? Explain with examples.	
••		15
2.	Attempt any three of the following:	13
a.	What is sketching? Explain its role in prototyping.	
b.	"IO among has a competitive advantage" DISCUSS	
c.	to into the community for promoting 104 devices. Explain.	
d.	With the help of an example explain the process of Scaling up the electronics.	
e.	Explain the following IoT devices built with Ardumo:	
f.	i) The Good night lamp. ii) Botanicals iii) Baker treat	
		15
3.	Attempt <u>any three</u> of the following: Explain the sketch iterate and explore process in prototyping.	
a.	Explain the sketch iterate and explore process in proce	
b.	Write a short note on laser cutters.	
c.	What is milling? Explain. What are the legalities associated with scrapping?	
d.	What is comet? Explain	
e.	Explain HTML5 web socket	
f.	Explain of twist web sould	15
4	Attempt any three of the following:	15
4. a	Division different types of memory.	
b	With the help of examples, compare stack and neap.	
C	* Control of the Cont	
d	by continued model typiam different factors in the definition.	
e	With the help of a diagram, explain business model canvas.	
\mathbf{f}	What is venture capital? How can one exit?	
		15
5.	Aftempt any three of the following:	
a.	Explain in details the process of designing the kits. Explain in details the process of designing the case and other fixtures.	
b.	Write a short note on mass-producing the case and other fixtures. Write a short note on mass-producing the case and other fixtures. Discuss the issues in scaling up the software for large scale IOT devices.	
c.	A A A A A A A A A A A A A A A A A A A	
d,	Discuss the advantage and disadvantages of discuss	
e.		
f.	What is environmental cost of internal	