(21/2 Hours)

[Total Marks: 75]

N.	 B.: (1) All questions are compulsory. (2) Make suitable assumptions wherever necessary and state the assumptions made. (3) Answers to the same question must be written together. (4) Numbers to the right indicate marks. (5) Draw neat labeled diagrams wherever necessary. (6) Use of Non-programmable calculators is allowed. 	
1.	Attempt any three of the following:	15
a.	Define and explain Ubiquitous Computing (ubicom),	\
b.	List and explain the roles of people making IOT.	. *
c.	What is manufactured normalcy field? Explain.	,
d.	"Data available through IOT device belongs to public or company which implement the	
	IOT device". Discuss.	
e.	What is DNS? How does it work?	
f.	What are TCP n UDP ports? Explain with examples.	
	Ca	15
2.	Attempt any three of the following:	15
a.	What is sketching? Explain its role in prototyping.	
b.	"Open source has a competitive advantage". Discuss	
c.	How can one ten into the community for promoting 101 devices: Explain.	
d.	With the help of an example explain the process of Scanng up the electronics.	
e.	Explain the following IoT devices built with Arduno:	
f.	i) The Good night lamp. ii) Botanicals iii) Baker treat	
		15
3.	Attempt any three of the following:	
a.	Explain the sketch iterate and explore process in prototyping.	
b.	Write a short note on laser cutters.	
c.	vvi . ::: lling? Evnlain	
d.	What is milling? Explain. What are the legalities associated with scrapping?	
e.	What'is comet? Explain	
f.	Explain HTML5 web socket	
JT:54		15
4.	Attempt any three of the following:	
a (
	with the help of examples, compare stack and	
	What are libraries? Explain with examples What are libraries? Explain different factors in the definition.	
d	What are libraries? Explain with examples Define business model .Explain different factors in the definition. Define business model canvas.	
e	Tritit it I had of a disprain. Capitain own.	
f	With the nelp of a diagram, the With the Nelp of the With the Nelp of the With the Nelp of the Nelp of the With the	
		15
5.	Attempt any three of the following:	
a,	Explain in details the process of assignment other fixtures.	
b.	Write a short note on mass-producing the case and other interest. Discuss the issues in scaling up the software for large scale IOT devices. Discuss the issues and disadvantages of technology.	
c.	Discuss the issues in scaling up the software to the	
	advantage and disast the	
d.	Discuss the advantage and discuss "The internet destroys the state". discuss "The internet destroys the state" discuss for IOT device? What is the solution?	
e. f.	"The internet destroys the state". discuss "The internet destroys the state". discuss What is environmental cost of Internet service for IOT device? What is the solution?	
1.	With to The state of the state	