(2	1/2 Hours) [Total Marks: 75]	
N.	 B.: (1) All questions are compulsory. (2) Make suitable assumptions wherever necessary and state the assumptions may (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. 	de.
1.	Attempt any three of the following:	-
a.		15
b.	List and explain the roles of people making IOT.	
C.	Discuss the issue of Privacy in Internet of Things.	
d.	What is manufactured normalcy field? Explain	
e.	What is DNS? How does it work?	
f.	Define protocol. Explain the following application laver motor laver motors and a very protocol.	
	SMTP and FTP.	
2.	Attempt any three of the following:	15
a.	What is sketching? Explain its role in prototyping.	13
b.	Discuss the tradeoffs between cost versus ease of prototomics	
c.	Discuss the Disadvantages of Open Source	
d.	With the help of an example explain the process of coelings at	
e.	Speed, RAM, Networking and Power Consumption	
f.	What are sensors and actuators explain in brief.	
3.	Attempt any three of the following:	1.5
а.	When choosing a laser cutter which two main features should be considered?	15
Ь.	a physical form of a device	
c.	Explain the concept of repurposing/recycling with respect to prototyping physical design.	
d.	What is Clash 1110 D. 1410	
u.	What is Clockodillo? Explain how to solve the security issues of an API by Clockodillo?	
e.	Define JSON and Remote Procedure Calls.	
f.	Explain the designing a web and the control of the	
	Explain the designing a web application for Humans.	
4.	Attempt any three of the C. T.	
а,	Attempt any three of the following:	15
Б.	Define Memory Management. List and explain the types of Memory.	
c.	and therefore between Stack and Hear	
d.	Discuss the concept of debugging in detail.	
e.	What do you mean by Venture Capital? Explain.	
f.	Explain the concept of "From craft to mass production".	
	Describe the hobby project and open source.	

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- 5. Attempt any three of the following:
- a. Explain the concept of designing kits.
- b. What is the design process of PCB? Explain.
- c. Discuss the various certification issue for the IOT product.
- d. What do you mean by CROWDSOURCING?
- c. Describe the Human cost.
- f. Define the term "THE OPEN INTERNET OF THINGS DEFINITION".

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