	(2½ Hours)	[Total Marks: 75]
	N. B.: (1) All questions are compulsory.	
		r necessary and state the assumptions made.
	(3) Answers to the same question must b	e written together.
	(4) Numbers to the <u>right</u> indicate <u>marks</u> .	
	(5) Draw <u>neat labeled diagrams</u> wherever	
	(6) Use of Non-programmable calculator	rs is <u>allowed</u> .
1.	1. Attempt <u>any three</u> of the following:	15
a.	 What are enchanted objects? Give example associated with magic. 	s on how the technology has always been
b.	 Explain calm and ambient technology with the 	
c.		
d.	The state of the s	
e.		n layer protocols.
f.	f. Explain the working of IP protocol.	
2.	2. Attempt any three of the following:	15
a.		
h	b. How can one tap into the community for pror	
c.		
	Programming Language, Integrated Develops and Openness,	
d.	d. Compare Raspberry Pi and Arduino.	
e.		Explain "open source as a competitive
	advantage" and "open source as a strategic w	
f.	f. Write a note on sensors and actuators.	
3.	3. Attempt <u>any three</u> of the following:	15
a.		
b.		an hanalburg.
c.		nting
d.		
e.		
f.	f. Explain the sketch, iterate and explore proces	s in prototyping.
4.	4. Attempt <u>any three</u> of the following:	15
a		
b		ole for embedded systems.
c	*****	
d		T TOTAL TOTA
e	Explain any two business models.	
£	f Explain government funding for IoT projects	

15

- 5. Attempt <u>any three</u> of the following:
- a. Discuss the environmental issues associated with IoT devices.
- b. Explain the phase of testing in manufacturing IoT devices.
- c. Explain the software choices for designing PCBs.
- d. What is the importance of Certification for IoT devices? Explain.
- e. Explain the terms "Disrupting Control" and "Crowdsourcing".
- f. Explain the five critical requirements for sensor commons project.

66377