Enrollment No:				Exam Seat No:					
					ERSITY				
					tion-2018				
Subject	Nam	ne: Internet of Thing	gs and Embed	dded Sys	tem				
Subject Code: 4TE08ITE1				Branch: B.Tech (CE,IT)					
Semeste	er: 8	Date: 26/0	4/2018	Time	: 02:30 To 05:30	Marks: 70			
(2) (3)	Use of Instru Draw	of Programmable cal- uctions written on ma v neat diagrams and f me suitable data if no	ain answer boo igures (if nece	ok are str	ictly to be obeyed.	s prohibited.			
Q-1		Attempt the follow	ing questions	s :			(14)		
	a)) What do you mean by Open-source Hardware?							
	b)	Which function is used to convert a JSON text into an object?							
	c)	What is XML?							
	d)	A program written with the IDE for Arduino is called							
	e)	What is DTD?							
	f)	What are the benefits of JSON over XML?							
	g)	Define Augmented Intelligence.							
	h)	Write difference between HTML and XML.							
	i)) Which is not a correct name for an XML element?							
		a) <xmldocument></xmldocument>	b)<7eleven>		c) <phone_number:< td=""><td>> d)<root></root></td><td></td></phone_number:<>	> d) <root></root>			
	j)	Which one is not a j							
		a) People	b) Product		c) Project	d) Pinnacle			
	k)) What function will convert a JavaScript object to a JSON string?							
		a)JSON.Serialise()	b) JSON.tex	kt()	c) JSON.toString()	d) JSON.stringify()			
	l)	Which of the following is not a JSON type?							
		a)Object	b)date		c)Array	d)string			



c)16

c)flat structure

m) How many digital pins are there in the UNO board?

b)12

b)inverted tree

a)14

n) XML document is like a

a)tree structure

d)20

d) none

Attempt any four questions from Q-2 to Q-8

Q-2		Attempt all questions					
	(a)	Define IoT. Discuss various application areas of IoT. Describe.	07				
	(b)	What is prototyping? Explain different types of prototyping?	07				
Q-3		Attempt all questions					
	(a)	What are the main Challenges of Internet of Things (IoT)?	07				
	(b)	What are the three levels of user design? Explain in detail.	07				
Q-4		Attempt all questions					
	(a)) Explain in detail IoT architecture with neat diagram.					
	(b)	Explain 4 P's of Management.	07				
Q-5		Attempt all questions					
	(a)	Explain the difference between a well-formed and a valid XML documents.	07				
	(b)	Why API is used? Explain different types of API? How APIs used for accessing	07				
		popular Internet services (Google, Face book, Twitter, You tube etc).					
Q-6		Attempt all questions					
	(a)	What kinds of information do Internet of Things (IoT) objects communicate?	07				
	(b)	Explain structure of arduino programming?	07				
Q-7		Attempt all questions					
	(a)	What are the major Privacy and Security Issues in case of Internet Of Things (IoT)?	07				
	(b)	Why a good planning is very necessary for successful project? Explain.	07				
Q-8		Attempt all questions					
	(a)	Explain the structure of XML document.	07				
	(b)	What are the important components that exist in the Internet of Things? Discuss.	07				

