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Department of Electronics & Communication Engg. Continuous Internal Evaluation - III

Course Name: EMBEDDED SYSTEM AND IOT APPLICATIONS	Date:	16-08-2021	
Course Code : 18EC6DCEAI	Day:	Monday	
Semester: 6	Timings :	3.00pm- 4.30pm	
Max Marks: 50 M	Duration :	1&1/2 hours	

WILL	warks	. 50 M	101/2	nours	
No.		Question Description	Mks	CO & LEVELS	
		What is the program counter value when the board turns on?			
Q1	(a)	i) 0x00000 ii) 0xFFFFF iii) Where the previous program endsiv) At the	1		
V -	(4)	location where we write the code	_		
		What is another name of the tactile sensor?			
	(b)		1		
(-)		i) Weight sensor ii) Imaging sensor iii) Proximity sensor iv) Touch sensor			
	(0)	Who invented the term internet of things?	1		
(c)		i) Bill gates ii) Kevin Ashton iii)McDonald iv) Steve jobs	1		
		Which one of the following is not an IoT device?			
	(d)	i) Amezon acho voica controllar ii) Google Home iii) Nest Smeke Alerm iv)	1		
	(d) i) Amazon echo voice controller ii) Google Home iii) Nest Smoke Alarm iv)		1		
		None of the above			
		The process of building iot hardware and devices enhanced with smart sensors			
	(e)	and embedded system using many of the shelf components like sensors,	1		
	(0)	circuits and microcontrollers is called	1		
		i) prototyping ii) casting iii) casting iv) protocol typing			
		is an open source electronic platform base on easy to use hardware and			
	(f)	software.	1		
		i) servo motor ii) Arduino iii) CPU iv) GPU			
		Fog computing can be perceived in and			
	(g)	(i) Big data and Cloud systems (ii) Big data and IoT (iii) Cloud systems and	1		
		IoT (iv) Big data, Cloud systems and IoT			
		is a community that is working together to establish an IoT			
	(h)	architecture.	1		
		i) Eclipse IoT ii) Red Hat iii) Intercloud iv) Bot 2 Bot			
	(i)	What is the role of Gateway in smart grid architecture of IoT?	1		
	(i)	i) Store data ii) Manage data iii) Collect data iv) Security	1		
	(i)	Which environment does Global Sensor Network work on?	1		
	(j)	i) C++ ii) JAVA iii) HTML iv) C	1		
Q2	0	Discuss IOT benefits for an organisation in the field of Education.	4	CO4	
Q ²	a		4	L2	
	b	List and explain commonly used controllers for IOT application.	6	CO5	
	D		6	L3	
02	-	Explain briefly the Connectivity and I/O interfered of IOT hardware -1-1f-	10	CO6	
Q3	c	Explain briefly the Connectivity and I/O interfaces of IOT hardware platforms.	10	L2	
0.4	_	Explain the issues pertaining in managing IOT systems	10	CO3	
Q4	a		10	L2	
	OR				
Q5	b	Illustrate IOT life cycle with suitable examples.	10	CO1	
ν,	U			L2	
Q6	a	Discuss IOT benefits in the field of industry.	10	CO4	
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				L3
		OR		
Q 7	b	List and explain IOT hardware development platforms and its applications	10	CO4 L2