DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Supplementary Winter Examination – 2024

Course: B.Tech Branch: Computer Engineering/Computer Science & Engineering

Semester: VI

Subject Code & Name: BTCOE604B_Y23 Internet of Things

Max Marks: 60 Date: 26/12/24 Duration: 3 Hr.

Instructions to the Students:

- 1. Each question carries 12 marks.
- 2. Question No. 1 will be compulsory and include objective-type questions.
- 3. Candidates are required to attempt any four questions from Question No. 2 to Question No. 6.
- 4. The level of question/expected answer as per OBE or the Course Outcome (CO) on which the question is based is mentioned in () in front of the question.
- 5. Use of non-programmable scientific calculators is allowed.
- 6. Assume suitable data wherever necessary and mention it clearly.

	Assume suitable de		·	•	(Level/CO)	Marks
Q. 1	Objective type qu	uestions. (Compuls	ory Question)			12
1 L(The IoT started be	8	Remember	1		
163	a. 2008-2009	b. 2002-2003	c. 2004-2005	d. 2018-2019	53	
2	Self-driving car is like	Analysis	1			
000	a. Window's	b. Google's	c. Amazon	d. None of these	(C)	
3	IP,, ar	d UDP bring conne	ctivity to IoT netw	orks.	Understand	1
	a. TCP	b. Internet	c. UDP	d. IP		
4	are funda	ks	Remember	1		
	a. IP	b. Sensors	c. IOT	d. a &b		
5	is a wireless a devices	v-data-rate	Understand	1		
10	a. IEEE 802.15.4	b. IEEE 802.2.1	c. IEEE 802.1.2	d. None of these	10	
64	IEEE 802.11 wireless technolo	Analysis 🕥	1			
0	a. Wi-Fi	b. LAN	c. MAN	d. WAN	8	
7	Routing Protocol	Understand	1			
\mathcal{C}	a. IPV4	b. ICMP	c. IPv6	d. UDP	Ö	
8	is one of the	Analysis	1			
	a. SCADA	b. Wi-Fi	c. 3G	d. 4G		
9	Inlearn is a known correct	Understand	1			
	a. supervised	b. unsupervised	c. training set	d. pixel		
10	Smart city IoT infi	Remember	1			
	a. four-layered	b. five-layered	c. three-layered	d. two-layered		.0

11	In order to promot management.	Analysis	1				
	a. eGovermnent	b. Enterprise-	c. Company	d. Business			
	related	based	based	oriented			
				platform			
12	A is ther	rmally sensitive resi	stor that exhihi		Synthesis	1	
	in resistance.	A is thermally sensitive resistor that exhibits a large change in resistance					
	a. Thermistor						
7	o. memistor	b. Thermocouple	c.LVDT	d.Pressure sensor	LO LO		
ì	Color the College	Ý	42				
Q. 2	Solve the followin	34	12				
A)	What Is IOT? Expla	Knowledge	6				
в	Explain IOT data m	Understan	6				
0.3	Calica Alea Callaccia					42	
Q.3	Solve the followin		12				
A)	Explain how senso	Understand	6				
В)	Explain Communic	Remember	6				
Q. 4	Solve Any Two of	the following.	10	.03	LΩ	12	
A)	Explain Optimizing	Understand	6				
10		4					
B)(Comparison of ar Protocol Stack.	Analysis	6				
cb	Explain CoAP Com		Remember	6			
Q.5	Solve Any Two of		12				
A)	Explain Message C	Understand	6				
В)	Explain IoT Applica	Remember	6				
C)	Explain Massively	Understand	6				
-,							
7			2		Ŋ		
	Solve Any Two of	the following.	535		53	12	
7	Solve Any Two of	the following. Security Architectu	re with a neat o	diagram.	Understand	12 6	
Q. 6	Solve Any Two of	Security Architectu			5		
Q. 6	Solve Any Two of Explain Smart City	Security Architectu ategories of Raspbe	erry operating s	ystem.	Understand	6	