(c) Relational

(d) All the above

Question Paper Code: 49211

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2018

Elective

Computer Science and Engineering

14UCS911 – INTERNET OF THINGS

(Regulation 2014)

Dı	uration: Three hours	Maximum: 100 Marks
	Answer ALL	Questions
1.	To join the internet, the computer has to be o	connected to a
	(a) Internet architecture board(c) Internet service provider	(b) Internet society(d) None of these
2.	Bluetooth is the wireless technology for	
	(a) local area network(c) both (a) and (b)	(b) personal area network(d) None of these
3.	The blue tooth supports	
	(a) point-to-point connections(c) both (a) and (b)	(b) point-to-multipoint connection(d) None of these
4.	A Wi-fi enabled device can be	
	(a) PC(c) Mobile Phone	(b) Game Console(d) All the above
5.	Which kind of agent architecture should an a	agent an use

(b) Logic

(a) Relaxed

6.	What is used for tracking uncertain events?						
	(a) Filtering algorit	hm	(b) Sensors				
	(c) Actuators		(d) None of these				
7.	An RPC application rec	quires					
	(a) specific protoco(b) a client program(c) a server program(d) all the above		mmunication				
8.	Relationship between vocabulary to represent different concepts is classified as						
	(a) dictionary	(b) thesaurus	(c) glossary	(d) all the above			
9.	. The huge numbers of devices connected to the internet of things have to communicate automatically, not via humans. What is this called						
	(a) Machine to Mac(c) Skynet	chine (M2M)	(b) Bot to Bot (B2)(d) Intercloud	(B)			
10.	O. The internet of things needs a lot of network connections. What is the proposed 'white space' radio standard called						
	(a) Bluetooth	(b) Wimax	(c) Weightness	(d) None of these			
		PART - B (5 x 2	= 10 Marks)				
11.	List the challenges and	issues of IoT.					
12.	Differentiate sensors w	ith actuators.					
13.	Define the fundamental	concepts of agility a	and autonomy.				
14.	Write the impacts of Bu	usiness Models in IO	Γ.				
15.	Write a few words abou	ıt RESTful Web Serv	vices.				
		PART - C (5 x 16	6 = 80 Marks)				
16.	(a) (i) Describe the va	arious phases of intern	net of things.	(8)			
	(ii) List the compo	nents in internet of th	nings and explain with s	uitable diagrams.			
				1.2			

	(b)	Explain the concepts and terminologies any three wireless communicatechnologies and distinguish the wireless communication technologies with w communication technologies.	
17.	(a)	Discuss how the communication is possible among Microcontrollers with Mo Devices and Bluetooth USB with Internet.	obile (16)
		Or	
	(b)	Write the steps to create communication for IoT devices based on the follow scenario:	ving
		(i) Connecting microcontroller with mobile devices	
		(ii) Communication through bluetooth and USB	
		(iii) Connection with the internet using WiFi	
		(iv) Connection with the internet using ethernet	(16)
18.	(a)	Explain the clustering principles in an internet of things architecture.	(16)
		Or	
	(b)	Explain the role of IOT for increased Agility and Autonomy in Production.	(16)
19.	(a)	Discuss in detail about the contributions of Semantic Web Ontology for IOT.	(16)
		Or	
	(b)	(i) Write the roles of Diy in Internet of things.	(8)
		(ii) Explain the need of Middleware Technologies in Diy of IOT.	(8)
20.	(a)	Discuss about the Resource Oriented Architecture for Web of Things with IOT.	(16)
		Or	
	(b)	Discuss the Case studies for Open Source e-Health sensor platform, identify roles of IT and Web of things in their regular operations.	the (16)