

**Examination 2022** Program: Information Technology

Examination: BE Semester VIII Course Code: ITC802 and Course Name: Internet of Everything

Time: 2 hour 30 minutes Max. Marks: 80

Q1.	Choose the correct option for following questions. All the Questions a compulsory and carry equal marks		
1.	act as primary devices to collect data from the environment.		
Option A:	Machines SETES BEET SETES SETE		
Option B:	Antenna		
Option C:	Sensors		
Option D:	Switch		
Ontion A	Which RFID tag does not need an embedded power?  Active		
Option A:	Passive Date Date Date Date Date Date Date Dat		
Option B: Option C:	Passive		
Option D:	Semi-Active Semi-Active		
Option D.	Schi-Active State College Stat		
3.	Pure ALOHA is based on		
Option A:	CDMA A PROPERTY OF A PROPERTY		
Option B:	TDMA		
Option C:	FDMA		
Option D:	SDMA		
	THE CONTRACTOR OF THE STATE OF		
4.	MQTT topics are		
Option A:	Simple floating point		
Option B:	Simple integer		
Option C:	Simple symbol		
Option D:	Simple string		
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5.5	CoAP provides which of the following requirements?		
Option A:	Multicast support, Low overhead and Simplicity		
Jane - Caller - Print			
Option B:	Low overhead and multicast support		
Option C:	Simplicity and low overhead		
Option D:	Multicast support and simplicity		
6.	X-MAC differs MFP – Micro frame preambling with respect to:		
Option A:	Receiver cuts the preamble into micro-frames, and listens between each micro-		
26.23.38	frame.		
Option B:	S (sender) cuts the preamble into a series of micro frames.		
Option C:	S (sender) cuts the preamble into micro-frames, and listens between each micro-		
	frame.		
Option D:	Senders listen to the remainder of the preamble, which costs energy and Increases		
2 hinni 2.7	collision probability.		

7.	localization algorithm works according to the last known or estimated	
	location by using velocity or acceleration.	
Option A:	Dead reckoning	
Option B:	Scene analysis	
Option C:	Proximity	
Option D:	Hybrid	
8.	Link-Layer Handover process follows three steps: two modes of scanning:	
Option A:	active and passive	
Option B:	active and semi-passive	
Option C:	semi-active and passive	
Option D:	semi active and semi passive	
the second of		
9.	Oozie workflow jobs are directed graphs of actions.	
Option A:	Linear	
Option B:	Elliptical	
Option C:	Cyclic	
Option D:	Acyclic	
10.	Hadoop Ecosystem does not include	
Option A:	Oozie	
Option B:	Yarn	
Option C:	Hive	
Option D:	Zoo	

Q2.		and the second s
A	Solve any Two Control of the State of the St	5 marks each
i.	Discuss the technical challenges in RFID.	
ii.	Sketch the Hadoop architecture and explain its different components.	
iii.	Explain 10 most emerging technologies in IoT	
B	Solve any One	10 marks each
(i)	List the features of CoAP and explain the different messaging modes of CoAP.	
Sii'	Draw the RFID based architecture for supply chain management application.	

Q3.			
.A,	Solve any Two 5 marks each		
i.	Explain the architecture of MQTT protocol with its selection criteria.		
ii.	Explain different Identifiers in IOT.		
iii.	Explain the Types of Wireless Sensor Network?		
B	Solve any One 10 marks each		
i	What does NETCONF-YANG mean, explain the device managements of the same.		
ii.	Discuss the RFID enabled handoff management process in Localization and Mobility management.		

Q4.				
A	Solve any Two	5 marks each		
i.	List and explain the components of RFID			
ii.	Illustrate how Energy-efficiency in MAC protocols is maintained.			
iii.	Suggest the IoT Framework for Home Automation application.			
В	Solve any One	10 marks each		
i.	Differentiate between the various conventional localization	on techniques. Explain any one		
ii.	detail.  Discuss the need of the Chef and Puppet tools with their benefits. List the industries using them.			

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