SRN



PES University, Bangalore (Established under Karnataka Act No. 16 of 2013)

UE18CS313

IN SEMESTER ASSESSMENT (ISA) - October 2020

UE18CS313: INTERNET OF THINGS

Time: 2 Hr	rs Answer All Questions Ma	ax Marks: 60
1a Briefly explain the evolutionary phases of the Internet.		6
b Explain the main elements of the M2M IoT Architecture.		6
Explain the de	efining characteristics of fog computing	8
What are fou	r defining characteristics of a Smart Object? Explain any two.	6
Briefly explain	n the following main enhancement of MAC layer proposed by IEEE 802.15.4e-	2012. 6
i.	Information Element	
ii.	Enhanced beacons	
iit.	Enhanced beacon request	
Explain three	dominant topology schemes available for connecting IoT devices.	8
What factors	determine which model is best suited for the last-mile connectivity?	6
Define the fol	llowing CoAP Message fields	6
i.	Code	
ii.	T(Type)	
iii.	Message ID	
List and expla	in four schedule management mechanism of 6TiSCH architecture.	8
	Explain the m Explain the m Explain the d What are four it. iii. iii. Explain three What factors Define the for it. iii. iii. iii.	Briefly explain the evolutionary phases of the Internet. Explain the main elements of the M2M IoT Architecture. Explain the defining characteristics of fog computing What are four defining characteristics of a Smart Object? Explain any two. Briefly explain the following main enhancement of MAC layer proposed by IEEE 802.15.4e- i. Information Element ii. Enhanced beacons iii. Enhanced beacon request Explain three dominant topology schemes available for connecting IoT devices. What factors determine which model is best suited for the last-mile connectivity? Define the following CoAP Message fields i. Code ii. T(Type)