R20

Code No:873AF

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD MCA III Semester Examinations, March/April - 2022 AD-HOC AND SENSOR NETWORKS

Time: 3 Hours Max.Marks:75

Answer any five questions All questions carry equal marks

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What are the important characteristics of Mobile ad hoc networks (Manets)? What are the important applications of Manets?	[8+7]
Illustrate the working of AODV routing protocol for Manets. Explain about DSR algorithm.	[7+8]
Write about Jitter and RDT, the design considerations of Broadcast protocol. Write about Probability-based solutions for Broadcasting.	[8+7]
Write about MAODV protocol with an illustration. Explain about AMRoute and MCEDAR.	[8+7]
Distinguish Geocast routing from broadcast and multicast. Give the classification geocast solutions for Manets.	ication of
Write about GeoGRID geocast protocol for Manets.	[8+7]
Distinguish the solutions for TCP over ad hoc link-TCP-F and ELFN	
What is Capture effect over TCP? Give one solution for the same.	[8+7]
Write about Directed Diffusion routing protocol for WSNs.	
Illustrate the concept in LEACH protocol with the formula for CH selection.	[7+8]
What is the need for in-network processing in WSNs? Explain the related mechathe same.	anisms for
Explain the concepts for adapting to dynamic nature of wireless sensor networks.	[8+7]
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