ANNUAL EXAMINATION

EIGHTH SEMESTER [B.TECH.] JULY-2023

F	aper Code: ETEC-406	Subject: Ad Hoc and Sensor Networks
T	ime: 3 Hours	Maximum Marks: 75
		stions in all including Q.No1 which is ct one question from each unit.
Q1	 (a) What is an ad-hoc not Discuss. (b) What is Sensor Networks. (c) Explain goals to be act wireless networks. (d) List the characteristic network. (e) Define data relaying in 	hieved in transport layer protocol for ad hoc (5) s of ideal routing protocol for ad hoc wireless (4)
Q2	mechanism.	UNIT-I tention-based MAC protocols with scheduling (6.5) lenges in mobile adhoc networks and wireless (6)
Q3	(a) What are the advantage contention based MAC page	es of reservation based MAC protocols over rotocols? (6.5)
	(b) Explain the issues in de and give the classification	signing the MAC protocols in ad hoc networks on of MAC protocols. (6)
		UNIT-II
Q4	the approaches for power	wer management in ad hoc network? Discuss
Q5	networks? (b) What do you understan	d in wired network is not suitable for wireless (6.5) d by network security requirements? Discuss nges in secure routing of ad hoc wireless (6)

Q7	(a) What is a wireless sensor network? Explain with diagram illustration of wireless sensor network architecture.(b) Why is routing in multi-hop ad-hoc networks complicated, what is the line and a sensor networks complicated.	(0.5)
	the special challenges?	(-/
	UNIT-IV	
Q8	(a) Explain about UWB radio communication systems.(b) What is wireless geolocation? Discuss the geolocation architecture.	(6) system (6.5)

Q9 Write short note on:

(a) Geolocation standards for E-911 Services.
(b) Vehicular sensor networks
(6.5)
