5^{TH} SEM./AI & ML./CS & E./IT/ 2024(W)

TH5 Mobile Computing

	Fi	all M	Answer any five Questions including Q No.1& 2 Figures in the right hand margin indicates marks	3 Hrs
	1.		Answer All questions	2 x 10
		a.	Define Network mobility.	
		b.	Mention the name of the layers present in N-tier architecture.	
		c.	What is the role of Base Transceiver Station in mobile communication system	
		d.	Differentiate between Ground Wave Propagation and Sky Wave Propagation.	
		e.	Which technology is used in 4 th Generation of Mobile Communication?	
		f.	What is the role of WAP PUSH process?	
		g.	Mention the name of the components of Mobile IP.	
		h.	Differentiate between Home Location Register and Foreign Location Register.	
		i.	Define Near and Far terminal.	
		j.	Define Near and Far terminal. What does W-CDMA Stands for? Answer Any Six Questions Differentiate between Amplitude Modulation and Frequency Modulation	
	2.		Answer Any Six Questions	5 x 6
		a.	Differentiate between Amplitude Modulation and Frequency Modulation.	
		b.	Briefly explain UMTS architecture with a neat diagram.	
		c.	Define Bluetooth Technology. Differentiate between Piconet and Scatternet in	
		d.	Bluetooth communication. (Any five) Illustrate WWW architecture for Mobile Computing with proper diagram.	
		e.	Describe the components of GSM with proper diagram	
		f.	Explain about the entities of Mobile IP.	
		g	Describe the working principal of MMS.	
		υ	Explain about the entities of Mobile IP. Describe the working principal of MMS. Answer Any Three Questions Explain about the various standards of IEEE 80211.	
	3.		Explain about the various standards of IEEE 80211.	10
5201-2	4.		Define Multiplexing. Elaborate different types of Multiplexing techniques used	2+8
	0		in Mobile Computing.	
	5.		Briefly explain the generation of Mobile Communication.	10
	6.		Write the benefits of WAP. Give any three examples where WAP is used. Draw and explain the architecture of WAP.	2+4+4
	7.		Write short notes on	2 x 5
			i. IS-95 ii. CDMA 2000 iii. Wireless Sensor Network	