Reg. No.												

Question Paper Code	12015

17 JUI 2023

M.E. / M.Tech. - DEGREE EXAMINATIONS, APRIL/MAY 2023

Second Semester

M.E. - Computer Science and Engineering with Specialization in Networks

20PCNEL209 - MOBILE AND PERVASIVE COMPUTING

(Regulations 2020)

Duration: 3 Hours | Max. Marks: 100

PART - A (10 × 2 = 20 Marks)

Answer ALL Questions

		Marks, K-Level, CO
1.	What are the services of IEEE 802.11?	2,K1,CO1
2.	Give the Security features of pervasive computing.	2,K1,CO1
3.	What are the targets for average spectrum efficiency?	2,K1,CO2
4.	List out the important LTE-A enhancement.	2,K1,CO2
5.	List some types of Biometric devices.	2,K1,CO3
6.	What is the goal of M-TCP?	2,K1,CO3
7.	Give the Security features of pervasive computing.	2,K1,CO4
8.	What are the operating systems for pervasive computing?	2,K1,CO4
9.	What do you mean by embedded control?	2,K1,CO5
10.	Define Sensors.	2,K1,CO5

PART - B (5 × 13 = 65 Marks)

Answer ALL Questions

11.	a)	Draw the Bluetooth Protocol and explain.	13,K2,CO1
		OR	
	b)	Explain in detail the entities in mobile IP.	13,K2,CO1
12.	a)	Describe the concept of content Architecture and CC/PP protocol.	13,K2,CO2
		OR	
	b)	Explain in detail Working of Mobile and Network QoS.	13,K2,CO2
13.	a)	Explain the two hypothetical scenarios to convey the look and feel of Perspectives of Pervasive Computing.	13,K2,CO3
		OR	
	b)	Explain the various state-of-the-art technology of pervasiveComputing.	13,K2,CO3

K1 – Remember; K2 – Understand; K3 – Apply; K4 – Analyze; K5 – Evaluate; K6 – Create

14. a) Describe about the Pervasive computing infrastructure and its application. *13,K3,CO4*

OR

b) Explain about Accessing from PDAs and PCs *13,K2,CO4*

15. a) Explain the concept of embedded control in pervasive computing. *13,K3,CO5*

OR

b) Explain the Protocols in Pervasive Computing. *13,K2,CO5*

PART - C (1 × 15 = 15 Marks)

16. a) Describe model for the medical treatment reservation scenario. *15,K2,CO6*

OR

b) Explain the concept of context aware mobile service. *15,K3,CO6*