

Reg. No.:

Name :



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TERM END EXAMINATIONS (TEE) – December – January 2024-25

Programme	:Intg. M.Tech. [MIM], B.Tech- EC	Semester	: Interim 2024-25
Course Name	:Wireless Sensor Networks	Course Code	: ECE4007
Date of Exam	:03.01.2025	Slot	: C11+C12
Time	:1½ Hrs.	Max. Marks	: 50

Answer ALL the Questions

Q. No.	Question Description	Marks
PART A – (30 Marks)		
1	(a) What are the challenges and the required mechanisms of a Wireless Sensor network OR (b) Illustrate about the Low Energy Adaptive Clustering Hierarchy protocol	10
2	(a) Explain the design approaches and performance of S-MAC protocol OR (b) Illustrate how the Zigbee technology will be utilized in WSN.	10
3	(a) Explain in detail about the different localization mechanisms OR (a) Interpret how the Contiki OS operating system supports resource constrained hardware platforms. Discuss in detail	10
PART B – (20 Marks)		
4	Describe about the directed diffusion routing protocol.	10
5	Illustrate how smart agriculture will be done using WSN.	10

