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MIT WORLD PEACE
MIT-WPU UNIVERSITY | PUNE
TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

Mid Semester Examination

Oct 2023

CET4004B - Professional Elective-I_Wireless and Mobile Device Security

Schedule ID: 21574

Faculty/School	Faculty of Engineering and Technology	Term	Semester V
Program	TY BTech CSE	Duration	1 Hours 30 Minutes
Specialization		Max. Marks	50

Instructions to the Candidate:

1. Write the PRN on the top right-hand corner of the question paper.
2. Draw neat diagrams.
3. Assume suitable data, if necessary.
4. Solve any 5 questions.

Section 1 (5 X 10 Marks)
Answer any 5 questions

1	Write about types of network depending upon geographical location. Explain WPAN and WMAN in detail with neat sketches and appropriate examples.	10 marks	CO1	Understanding
2	Explain in detail about IEEE 802.11 Architecture and Protocols.	10 marks	CO1	Remembering
3	Discuss about Hand-off in Wireless Networks. Compare 1G, 2G and 2.5G Mobile Technologies.	10 marks	CO1	Understanding
4	What are the main issues that need to be addressed while designing MAC Protocol for Adhoc Networks? Explain Hidden Terminal Problem in detail with appropriate example.	10 marks	CO2	Applying
5	How Route Maintenance is carried out in an **Adhoc On-Demand Distance Vector (AODV)** Protocol? Give advantages and disadvantages of AODV.	10 marks	CO2	Understanding
6	Analyze the operation of **Destination Sequenced Distance Vector (DSDV)** Routing Protocol with an example.	10 marks	CO2	Analysing

END OF QUESTION PAPER