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| ASSIGNMENT 1 (UNIT-I, II) | | | | | |
| SUBJECT: Digital & Smart Cities | | SUBJECT CODE: OAE421T | | SEM: VII  BRANCH: IIOT | |
| S. NO | QUESTION | CO | BL | | MARKS | |
| 1 | 1. Explain the components of smart city infrastructure and how do they interact 2. What are the benefits of open data initiatives in smart cities and how do they interact? 3. Explain smart Grid. 4. Write short notes on (i) Intelligent Transport System (ITS) (ii) Big Data in Smart Cities (iii) Denial of Services (DoS). | 1,2 | 1,2,3,4 | | 12 | |
| 2 | How blockchain can be useful in smart cities? Discuss the same with a use case | 2 | 2,3,4 | | 4 | |
| 3 | Evaluate the impact of smart city initiatives on quality of life, economic development, and sustainability. | 1 | 2,3 | | 4 | |
| 4 | 1. Analyze a successful smart city implementation in India, highlighting its key features, challenges, and outcomes. 2. What are the cyber security challenges associated with smart cities? How can we protect sensitive citizen data and critical infrastructure from cyber threats? 3. What is the role of AI ML in building smart cities | 1, 2 | 4,5 | | 10 | |