10

DIPLOMA IN SMART CITY DEVELOPMENT AND MANAGEMENT (DSCDM)

Term-End Examination

December, 2022

MIO-002 : SMART TECHNOLOGIES (HARDWARE AND SOFTWARE)

Time : 3 hours		Maximum Marks : 70	
Not	te: Attempt any seven questions equal marks.	. All questions co	arry
1.	Explain any two application healthcare sector.	ns of IoT in	10
2.	What is Advanced Metering (AMI)? Discuss the benefits of A		10
3.	Describe the components technology? How is Blockchain in implementation of BITCOIN?		10
4.	What are the areas in hea	althcare where	

blockchain applications can be used? Explain blockchain-based remote patient management.

5.	What is Artificial Intelligence (AI)? Write at least five advantages and disadvantages of AI.	10
6.	What is Machine Learning? Explain supervised learning, with an example.	10
7.	What is Home Energy Management System (HEMS)? Discuss with an example.	10
8.	What is a Sensor? List any four types of sensors and explain their features.	10
9.	Discuss the role of data analytics in smart cities.	10
10.	Explain the Data processing in SCADA	10