IIIT-Allahabad
IMDM Assignment Questions
Assignment 1: Database Processing

1. Discuss the effect of Weak and intermittent connectivity, broadcast facility and tariffs in Wireless medium.

2. Discuss types of mobility. The movement of the Mobile unit makes the job of the coordinator difficult which requires coordinating execution and movement of the Mobile unit correctly. Explain all the possible scenarios associated with mobility.

3. Explain with an example, the case of data replication where within a given area there may be temporal replicas of location dependent data.

4. The selection of data distribution scheme depends on a large number of system and application parameters. Considering the importance of the local availability of necessary data to process user query, explain different database partition schemes.

5. What is the Distributed Database Management Techniques for Wireless Sensor Networks?

6. Explain the difference between location-dependent, location-independent, and location-free queries. Give at least two real-life examples of each of them.