

No. of Printed Pages : 3

MIO-001

**DIPLOMA IN SMART CITY
DEVELOPMENT AND
MANAGEMENT/CERTIFICATE IN
SMART CITY DEVELOPMENT AND
MANAGEMENT (DSCDM/CSCDM)
Term-End Examination**

June, 2025

**MIO-001 : INTRODUCTION TO SMART REGION :
SMART CITIES AND SMART VILLAGES**

Time : 3 Hours

Maximum Marks : 70

Note : *Attempt any **seven** questions. All questions carry equal marks.*

1. (a) Explain briefly the major classifications of regions. 5
- (b) Discuss the categories in which Indian cities and towns are divided on the basis of functions in brief. 5

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2. (a) Write the types of Rural Settlement and explain in brief. 5
- (b) Define Marginalization and discuss the concept of inclusive planning. 5
3. (a) Write the advantages of Smart Water Management Systems. 5
- (b) What is the use of Artificial Intelligence in waste management ? 5
4. (a) What is Energy Management System (EMS) ? Write in detail the key steps in energy management system. 8
- (b) Write the benefits of smart meters. 2
5. What are the different strategies which can be used for bringing about rural development ? Explain in detail. 10
6. (a) Discuss the factors affecting the location of rural settlement. 8
- (b) Write the benefits from smart villages. 2

7. (a) Discuss in brief stages in the Smart City Framework. 5
- (b) What is Governance ? Differentiate between e-Governance and Smart Governance. 5
8. Write short notes on any *four* of the following : $4 \times 2.5 = 10$
- (a) Substantive Public Policy
- (b) Right to Privacy Act
- (c) Common Service Centre (CSC)
- (d) Energy and Economic Development
- (e) Information and Communication Technologies (ICT)

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