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MIO-001

**DIPLOMA IN SMART CITY
DEVELOPMENT AND MANAGEMENT/
CERTIFICATE IN SMART CITY
DEVELOPMENT AND MANAGEMENT
(DSCDM/CSCDM)**

Term-End Examination

December, 2024

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

Time : 3 Hours

Maximum Marks : 70

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

1. Discuss any *four* civilizations in reference to history of towns in India. 10
2. (a) Briefly discuss the dimensions of exclusion in urban areas. 5
- (b) Define smart city. Enumerate the elements of infrastructure for smart city. 5

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3. (a) What are Smart Bins ? List the advantages of integrating smart waste management in cities. 5
- (b) Explain the use for Internet of Things (IoT) in energy management in brief. 5
4. (a) What are the advantages offered by Intelligent Transport System in a smart city ? 5
- (b) Explain briefly functions of Information and Communication Technology (ICT) to achieve the goals and maximizing the performance of a smart city. 5
5. (a) What are the themes from which core indicators in developing countries should be chosen for assessing the level of rural development ? 5
- (b) Discuss the major problems of the Rural/ Farm sector in brief. 5
6. (a) Explain functional classification of villages or rural settlements. 5
- (b) Write the benefits from smart village. 5

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7. (a) Discuss the various types of public policies in reference to smart cities and villages. 5
- (b) Write the acts connected to the smart cities. 5
8. Write short notes on any *four* of the following :
4×2.5=10
- (a) Smart Governance
 - (b) Electronic payments
 - (c) Atal Mission for Rejuvenation and Urban Transformation (AMRUT)
 - (d) Regulatory Framework
 - (e) Geographic Information System (GIS)

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