

**DIPLOMA IN SMART CITY DEVELOPMENT  
AND MANAGEMENT (DSCDM)**

**Term-End Examination**

**June, 2022**

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

*Time : 3 hours*

*Maximum Marks : 70*

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

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1. What do you understand by Region and Regional Planning ? Describe the classification of regions. 10
2. Briefly describe the socio-cultural profile of Indian society and urban transformation, with the help of suitable examples. 10
3. What is the basic infrastructure for cities ? How are they classified ? Describe each of them in detail. 10
4. What is a Smart City ? Give few definitions of smart city. What are the key features of smart city ? 10

5. What is Geographic Information System (GIS) ? Explain the applications of GIS in urban and regional planning. 10
6. Define Internet of Things (IoT) and Artificial Intelligence (AI). Describe the role of IoT and AI in smart water demand and supply management. 10
7. Define Smart Villages. What are the main characteristics of Smart Villages ? Explain. 10
8. Define Community Participation. What is Panchayati Raj system ? How did it contribute to bottom-up approach to rural development ? 10
9. Discuss the following policies of Smart Cities :  $5+5=10$   
(a) IoT Policy  
(b) Transportation Policy
10. What do you understand by ease of doing business ? Explain the digitally transformed services for improving ease of doing business. 10
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