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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, 2025

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

Time : 3 Hours

Maximum Marks : 70

Note : (i) Attempt any **seven** questions.

(ii) All questions carry equal marks.

1. Describe the history of towns in India giving suitable examples. 10

2. Briefly describe the socio-cultural profile of Indian society and urban transformation giving examples. 10
3. What is smart city ? Explain different layers of smart city. 10
4. What is Geographic Information System (GIS) ? Explain the applications of GIS in urban and regional planning. 10
5. What is Smart Waste Management ? Explain the role of IoT and AI in smart waste management. Describe the benefits of smart waste management system. 10
6. What is AI and IoT ? Describe the different applications of AI and IoT for safety and security in smart cities. 10
7. What is green revolution ? What were the main components of green revolution in India ? 10
8. What is meant by resource envelope ? What role does it play in efficient planning and development of smart villages ? 10

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9. Define Governance. What is its importance in smart city ? Differentiate between E-governance and smart governance. 10
10. What is the concept of Digital India ? What are the *three* core components of Digital India ? 10

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