

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  
December, 2025**

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

*Time : 3 Hours*

*Maximum Marks : 70*

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

(ii) All questions carry equal marks.

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

**D-3014/MIO-001**

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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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