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.

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

 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? (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. 			
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	6.	(a)	Explain functional classification of villages
(b) Write the benefits from smart village. 5			or rural settlements. 5
		(b)	Write the benefits from smart village. 5

- 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.
- 8. Write short notes on any *four* of the following :

 $4 \times 2.5 = 10$

- (a) Smart Governance
- (b) Electronic payments
- (c) Atal Mission for Rejuvenation and Urban Transformation (AMRUT)
- (d) Regulatory Framework
- (e) Geographic Information System (GIS)