

No. of Printed Pages : 4

**MIO-004**

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

**Term-End Examination**

**December, 2025**

**MIO-004 : SMART CITIES : HEALTH,  
EDUCATION, GOVERNANCE AND CYBER  
SECURITY**

*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. (a) Why does the urban planning play the important role in development of smart cities ? Explain briefly. 5
- (b) Discuss any *five* key challenges of smart cities. 5
2. (a) What is a security camera ? What are the differences between wireless and wired security camera ? 5
- (b) What is an integrated building system ? List out its advantages. 5
3. (a) What is the need of emerging technologies in smart healthcare systems ? Explain. 5
- (b) Explain the working of security camera with a block diagram. 5
4. (a) How do you classify smart healthcare system ? Explain with suitable block diagram. 5
- (b) Explain individual privacy in smart health. What are the issues and opportunities in smart health ? 5

5. (a) What is Natural Language Processing (NLP) ? List out the uses of NLP in health care. 5
- (b) Differentiate between telemedicine and cyber medicine. 5
6. (a) What is Electronic Records Management ? How does it differ from Traditional Records Management ? Explain. 5
- (b) What is Smart Home ? What are the advantages and disadvantages of Smart Home ? 5
7. (a) Why is Bonet used as a counsellor in health care system ? What are the various benefits of Bonet using as counsellor ? 5
- (b) What is Telenursing ? How can tele-robot be used as a nurse ? Explain. 5
8. (a) What is a Smart Education System ? Explain the different medium used in smart education. 5

- (b) Discuss the various opportunities and challenges of online education. 5
9. (a) What are the emerging trends in cyber security ? Why are outdated systems becoming easy targets for hackers ? 5
- (b) What do you understand about Governance ? Explain the difference between e-Government and e-Governance. 5
10. Write short notes on any *two* of the following : 2×5=10
- (a) Smart Factory
- (b) Machine Learning
- (c) Crypto Currency
- (d) Emerging Educational Technologies

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