

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

Term-End Examination

December, 2024

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

Time : 3 Hours

Maximum Marks : 70

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

1. (a) What are the role of emerging technologies in the development of smart cities ? Briefly explain. 5

- (b) Differentiate between traditional and smart buildings. How do you justify smart buildings are suitable for comfort life ? 5

2. (a) What are the components in a security camera ? Also explain use of security camera. 5
- (b) How can robotics be used for digital transformation in the urban context ? 5
3. (a) What is the need of emerging technologies in smart health care systems ? Explain. 5
- (b) How do you integrate command and control centres in smart city ? 5
4. (a) What are the uses of Natural Language Processing (NLP) in Health Care System ? Explain briefly. 5
- (b) Discuss the various services and benefits of e-Health and m-Health. 5
5. (a) What are the wearable medical devices used in smart health care systems ? List out the benefits of those devices. 5
- (b) What is Smart Education System ? Discuss the various challenges of Online Education.

6. (a) Why do you need Electronic Records Management ? List out the various benefits of Electronic Records Management. 5
- (b) How does a Smart Home Works ? What are the various functions of a Smart Home ? 5
7. (a) What are the various initiatives of Government of India in Smart Health Care ? 5
- (b) What is Tele-Nursing ? How can tele-robot be used as a nurse ? Explain. 5
8. (a) What are the emerging trends in cyber security ? How do you prevent the hacking ? 5
- (b) Discuss the approaches and considerations of blended and Web-based learning. 5
9. Write short notes on any *two* of the following : 5+5
- (a) e-Governance
- (b) Artificial Intelligence
- (c) Smart Factory.

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