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MIO-004

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

Term-End Examination

June, 2023

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

Time : 3 Hours

Maximum Marks : 70

Note : Answer any **seven** of the following questions.

All questions carry equal marks.

1. (a) What is Urban Planning ? Explain it with a suitable example. 5
- (b) Write and explain any *five* significant applications of smart cities. 5
2. (a) What are the various components in a security camera ? Explain its uses. 5
- (b) What is an Integrated building system ? Write any *five* advantages of it. 5

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3. (a) Why is digital health care required particularly in developing countries ? 5
- (b) Discuss the functions of robotics in the digital transformation of organizations. 5
4. (a) How do you classify Smart Health Care system ? Explain with Block Diagram. 5
- (b) Differentiate between functional and non-functional requirements in a Smart Health Care system. 5
5. (a) What is Natural Language Processing (NLP) ? List out the uses of NLP in Health Care. 5
- (b) What is Smart Home ? What are the advantages and disadvantages of Smart Home ? 5
6. (a) What is Electronic Records Management ? How is it differ from traditional records management ? Explain. 5
- (b) What is Ambient Assisted Living ? Describe the purpose of Designing Ambient Assisted living. 5
7. (a) What are the security requirements in smart health care system ? Explain. 5

- (b) What is Human-Computer Interaction (HCI) ? What are the goals of Human-Computer Interaction. 5
8. (a) How the social factors influencing the need for Smart Education ? Explain with suitable example. 5
- (b) How does the Smart Education differ from Traditional Education ? What are the technologies used in Smart Education ? 5
9. (a) What do you understand about Governance ? Explain the difference between e-Government and e-Governance ? 5
- (b) What are the different cyber crimes that are affecting Smart Governance ? 5
10. Write short notes on any *two* of the following :
2×5=10
- (a) Cyber Space
- (b) Cryptocurrency
- (c) Virtualized Learning Environment (VLE)
- (d) Electronic Record Management