MIO–004

DIPLOMA/CERTIFICATE IN SMART CITY DEVELOPMENT AND MANAGEMENT (DSCDM/CSCDM)
Term-End Examination
December, 2023

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

Time : 3 Hours   *Maximum Marks : 70*

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

1. (a) Discuss the need of urban planning. Explain the different methods of smart cities development.   5

   (b) What are the various intiatives taken by the government of India during COVID times for smart cities development ?   5

2. (a) What are the components in a security camera ? Also explain the use of security camera.   5

P. T. O.

(b) How do you integrate command and control centres in smart city ?   5

3. (a) What is precision health ? List out its benefits.   5

(b) Write any *five* differences between wireless and wired security camera.   5

4. (a) What are the wearable medical devices used in a smart health care systems ? List out the benefits of those devices.   5

(b) Describe the importance of smart education. Explain the various schemes and opportunities in NEP, 2020 for smart education.   5

5. (a) How the body sensor network functions ? List out the various applications of body sesnor network systems.   5

(b) What is Nanomedicine ? How can it be help into smart health care systems ?   5

6. (a) Why Bonet used as a counsellor in health care system ? What are the various benefits of Bonet using as a counsellor ? 5

(b) What do you understand about Governance ? Explain the difference between e-Government and e-Governance.

5

7. (a) What is an educational technology ? Briefly explain any *two* emerging educational technologies. 5

   (b) What is cyber security ? How do you protect the digital system from the hackers ? 5

8. (a) Define Internet of Things (IoT). How can it be used in smart cities development ? 5

   (b) How the digital transformation are processed in smart systems ? Explain briefly. 5

9. Write short notes on any *two* of the following :

   5 each

   (a) Tele-Robot

   (b) Cyber crime techniques

   (c) Blended learning

   (d) Electronic record management