MIO–004

DIPLOMA/CERTIFICATE IN SMART CITY DEVELOPMENT AND MANAGEMENT (DSCDM/CSCDM)
Term-End Examination
June, 2024

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 the role of emerging technologies in the development of smart cities ?   5

   (b) Differentiate between traditional cities and smart cities.   5

2. (a) Explain the working of a security camera with block diagram.   5

   (b) What are the concerns related to Robotics and Atonomous System (RAS) Technologies ?   5

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3. (a) What is the need of emerging technologies in smart healthcare systems ? Explain.   5

(b) How can robotics be used for digital transformation in the urban context ?   5

4. (a) What are the characteristics and requirements of smart healthcare system ?

5

(b) What is smart home ? List our its functions, advantages and disadvantages.

5

5. (a) What are the uses of Natural Language Processing in healthcare system ? Explain briefly.   5

(b) What is Smart Education System ? List out the various benefits of smart education system.   5

6. (a) What is Electronic Record Management (ERM) ? What is the need of ERM in smart cities development ?   5

(b) Differentiate between telemedicine and cybermedicine.   5

7. (a) What are the different challenges in imparting smart education ? Explain.   5

(b) Describe the block chain technology and its role in smart education.   5

8. (a) What is Tele-Nursing ? How can tele-robot used as nurse ? Explain briefly.   5

   (b) How capacity building is a challenge in smart governance process ? Explain.   5

9. Write shorts on any *two* of the following :   5+5

   (a) Nanomedicine

   (b) Cyber security

   (c) Big data analytics

   (d) Bonet