Reg. No. :

Question Paper Code: 95T05

M.E. DEGREE EXAMINATION, JAN 2020

Elective

Structural Engineering

15PSE605- Smart City Technologies

(Regulation 2019)

Duration: One hour   Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

(Answer any six of the following questions)

1. What is the projected global market for smart city technology?   CO1- R

    (a) $1.34 trillion by 2024   (b) $3 trillion by 2024

    (c) $987 billion by 2024   (d) $2.57 trillion by 2024

2. Where are smart cities developing the fastest?   CO1- R

    (a) Europe   (b) North America   (c) Gulf Region   (d) South Asia

3. Which city tops list of 27 new smart cities announced by   CO2- R
    Ministry of Urban Development?

    (a) Amritsar   (b) Nanital   (c) Allahabad   (d) Chennai

4. How many mega schemes for revamping urban India will be   CO2- R
    launched by the PM Narendra Modi on 25th June'15?

    (a) 1   (b) 2   (c) 3   (d) 4

5. ITS stands for _____   CO3- R

    (a) Internet Travel Services   (b) Internet Transportation Security

    (c) Intelligent Transportation Security   (d) Intelligent Transportation Services

6. Smart city award 2019 in Safe City category was given to   CO3- R
    _____

    (a) Ahmedabad   (b)Agra   (c) Aurangabad   (d) Patna

7. Which of the following city got first Smart City nomination?   CO4- R

(a) Hubballi-Dharwad   (b) Surat   (c) Pune   (d) Puducherry

8. The total number of _____ smart cities have been distributed   CO4- R
   among the States and UTs on the basis of an equitable criteria.

   (a) 50   (b) 75   (c) 100   (d) 125

9. Who will use their own IoT business models?   CO5- R

   (a) PaaS   (b) Service Provider   (c) Wi-Fi   (d) Local Coverage

10. Who is responsible to interpret the data generated and should know   CO5- R
    how best to use them in remote sensing?

    (a) Single users   (b) Two users   (c) Multiple Data users   (d) None

<p style="text-align:center">PART – B (3 x 8= 24 Marks)</p>

<p style="text-align:center">(Answer any three of the following questions)</p>

11. Explain in detail about benefits of smart city and importance of   CO1- U   (8)
    smart city.

12. How to implement computer resources in smart cities?   CO2- U   (8)

13. Explain in detail about Environmental energy management   CO3- U   (8)
    system.

14. Discuss in detail about importance of spatial analysis   CO4- U   (8)

15. Explain in detail about principle and concepts of e-governance   CO5- U   (8)

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