

Reg. No. :

--	--	--	--	--	--	--	--	--	--	--	--

Question Paper Code: U6605

M.E. DEGREE EXAMINATION, APRIL/ MAY 2025

Elective

21PSE605– SMART CITY TECHNOLOGIES

(Regulations 2021)

(Common to ALL Branches)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART - A (5 x 20 = 100 Marks)

1. (a) Summarize the selection and importance of factors involved in the construction of smart cities. CO1- Ana (20)
Or
(b) Evaluate the Feasibility of smart cities and what are the steps involved in Smart city construction? CO1- Ana (20)
2. (a) Analyze the process of building with a smart cities roadmap. CO2- Ana (20)
Or
(b) Analyze in detail about Environmental and energy resources involved in smart cities? CO2- Ana (20)
3. (a) List out the challenges to be faced while installing advanced technologies for smart buildings CO2- Ana (20)
Or
(b) Analyze in detail about the emerging efficient design strategies in smart buildings with suitable examples? CO2- Ana (20)
4. (a) Examine in detail about importance of spatial analysis CO4- App (20)
Or
(b) Examine in detail about Data visualization. CO4- Ap (20)
5. (a) Examine in detail about IOT to make the cities so smarter. CO6- App (20)
Or
(b) As a engineer suggest the IOT sensor system for a newly framed smart city CO6- App (20)

