

Reg. No. :

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**Question Paper Code:U3S05**

M.E. DEGREE EXAMINATION, APRIL 2024

Open Elective

Structural Engineering

21PSE605 – SMART CITY TECHNOLOGIES

(Regulations 2021)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART - A (5 x 20 = 100 Marks)

1. (a) Analyze the Feasibility of smart cities and what are the steps involved in Smart city construction? CO1- Ana (20)  
Or  
(b) Analyze the selection and importance of factors involved in construction of smart cities. CO1- Ana (20)
2. (a) Analyze the process of building with a smart cities roadmap. CO2- Ana (20)  
Or  
(b) Analyze and design the process of smart city frame work. CO2-Ana (20)
3. (a) Design and construct smart building and detail explain about infrastructure development. CO4-App (20)  
Or  
(b) Summarize the emerging efficient design strategies in smart buildings with suitable examples? CO4-App (20)
4. (a) Summarize the cloud computing and its uses. CO4- App (20)  
Or  
(b) Summarize the cloud computing and its uses. CO4- App (20)
5. (a) Compare IOT and assessment in traffic management system? CO2-Ana (20)  
Or  
(b) Apply the process and importance of Metropolitan committee. CO2-Ana (20)

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