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PRESIDENCY UNIVERSITY

BENGALURU

Mid - Term Examinations – October 2025

Date: 10-10-2025

Time: 02.00pm to 03.30pm

School: SOC/SOIS/SOMS	Program: BBA, B.Com, BCA	
Course Code : CIV2006	Course Name: Infrastructure Systems for Smart Cities	
Semester: III, V	Max Marks: 50	Weightage: 25%

CO - Levels	CO1	CO2	CO3	CO4	CO5
Marks	26	24	-	-	-

Instructions:

- (i) *Read all questions carefully and answer accordingly.*
- (ii) *Do not write anything on the question paper other than roll number.*

Part A

Answer ALL the Questions. Each question carries 2marks.

5Q x 2M=10M

1	Define hard infrastructure and soft infrastructure.	2 Marks	L1	CO1
2	Write the definition of smart city.	2 Marks	L1	CO1
3	List the essential elements of Urban Infrastructure	2 Marks	L1	CO1
4	Define Web/virtual cities and Mobile/Ambient Cities	2 Marks	L1	CO2
5	What is Special Purpose Vehicle in Smart City?	2 Marks	L1	CO2

Part B

Answer the Questions.

Total Marks 40M

6.	a.	Explain the key concepts in urban infrastructure with relevant examples.	10 Marks	L2	CO1
	b.	Write the benefits and challenges of smart city development.	10 Marks	L1	CO1

Or

7.	a.	Explain the building blocks of digitalization in smart city.	10 Marks	L2	CO1
	b.	Explain the anatomy of Smart Cities, highlighting its key components and their functions	10 Marks	L2	CO1

8.	a.	Write short notes on i) Big data and ii) 3D printing.	10 Marks	L1	CO2
	b.	Discuss the strategies of Area-Based Development (ABD) in the Smart Cities Mission, including retrofitting, redevelopment, and greenfield development.	10 Marks	L2	CO2
Or					
9.	a.	What is the Urban Consultation Process? Explain its key steps and significance.	10 Marks	L1	CO2
	b.	Discuss the factors governing the Inclusiveness in Cities.	10 Marks	L2	CO2