	MODEL QUESTION PAPER NOVEMBER 2023	**Date:** 04/11/2023
RNGPIT, Bardoli	**Department:** Civil Engineering	**Page:** 01 of 02

Duration/Term: 27/07/2023 to 30/12/2023	Concerned Department: Civil Engineering
Name of Subject: Infrastructure for smart Cities	Semester: 7th
Subject Code: 3170628	Class**:** Civil- 20
Total Marks: 70	Hours**:** 02 Hours 30 Minutes

Question No	Questions	Marks
Q. 1 (A)	Enlist the objectives of smart cities.	03
(B)	Give advantages and disadvantages of smart cities.	04
(C)	Explain the concept of smart city and requirements of smart cities.	07
Q. 2 (A)	Write about the environmental benefits of green building.	03
(B)	Write a brief note on history of smart cities in India.	04
(C)	What are the different types of infrastructure systems? Explain.	07
	OR	
(C)	List down and explain the features of green building.	07
Q. 3 (A)	What is disaster management cycle?	03
(B)	Write about the application of GIS in transportation.	04
(C)	Explain the concept of E-ticketing.	07
	OR	
Q. 3 (A)	What is Intelligent Transportation System (ITS)?	03
(B)	What is smart mobility and how it can be improved?	04
(C)	Give your views on road safety policies.	07
Q. 4 (A)	Write short note on: Fuels of future.	03
(B)	Write short note on: Road safety policy (2010).	04
(C)	Explain intelligent transportation system.	07
	OR	
Q. 4 (A)	Enlist the features of smart car.	03
(B)	Enlist the various applications of GIS in transportation engineering.	04
(C)	Describe GPS in transportation system management.	07
Q. 5 (A)	Write a note on water-meters.	03
(B)	Describe flood forecasting and warning systems in India.	04
(C)	Write a note on water resources conservation.	07

		OR	
Q. 5 (A)		What is the need of integrated approach of infrastructure management?	**03**
(B)		Explain how urbanisation is connected to environment.	**04**
(C)		Write about any two case-studies of smart cities in India	**07**

*****Best of Luck*****