GUJARAT TECHNOLOGICAL UNIVERSITY BE- SEMESTER-I & II(NEW)EXAMINATION – SUMMER 2022

Code:3110004 Date:08-08-2022

Subject Code:3110004 Subject Name:Basic Civil Engineering

Time:10:30 AM TO 01:00 PM

Total Marks:70

Instructions:

- 1. Attempt all questions.
- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.
- 4. Simple and non-programmable scientific calculators are allowed.

Q.1	(a)	What is a role of civil engineer in the society?			03		
	(b)	Explain the important pillars of smart city.					
	(c)	The following bearings were taken on a closed traverse PQRS find out					
		internal angles and correct them if necessary					
		Line	FB	BB			
		PQ	40°00'	220°00'			
		QR	80°25'	260°25'			
		RS	145°50'	325°50'			
		SP	270°50'	90°50'			
Q.2	(a)	Why the town planning is essential and necessary? 0					
C	(b)	Explain the primary	-		04		
	(c)						
		Explain the classification of buildings in detail. 0					
	(c)						
	(-)	Carl			07		
Q.3	(a)	Explain the types of meridians.					
X	(b)						
	()	residential building?					
	(c)	Explain in detail feat			07		
	(-)	OR					
Q.3	(a)						
X	(b)						
	()	no-parking and cross road.					
	(c)						
	(0)		5 01 0 01101118 P1 01111	·o·	07		
Q.4	(a)	Write the advantages and dis advantages of riverfront development.					
×	(b)						
	(c) (c)						
	(0)	country.		sincene on the economy of the	07		
		country.	OR				
0.4	(a)	What is solid waste		ss in brief the classification of	03		
~··	(4)	solid waste.			00		
	(b)	Discuss the concept	of smart city.		04		
	(c)	-	-	a neat sketch of english bond	07		
		and explain it	5 in masoniy. Draw	a near breten of english bolid	07		
Q.5	(a)	Discuss the main rea	sons for the slum for	mation.	03		

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	(b) (c)					
		OK				
Q.5	(a)	What is the concept of BRTS? Discuss its advantages and dis advantages.	03			
	(b)	Define zoning. Write objectives and principles of zoning.				
	(c)	What are the properties of good bricks? Discuss the classification of bricks.	07			

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