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(c) building by laws

Reg. No.:					

# **Question Paper Code: 59404**

## B.E. / B.Tech. DEGREE EXAMINATION, NOV 2023

#### Elective

# Civil Engineering

## 15UCE904-TOWN PLANNING AND ARCHITECTURE

		(Regula	tion 2015)				
Dur	ation: Three hours		Maximum: 100 Marks				
		Answer A	LL Questions				
		PART A - (10	x 1 = 10  Marks				
1.	A type of balance in value balanced yet different	CO1- R					
	(a) Asymmetrical	(b) Radial	(c) Symmetrical	(d) Geometric			
2.	Optimization of urbainfrastructure level by	CO1- R					
	(a) SUV lanes	(b) HOV lanes	(c) Toll free lanes	(d) Slow lanes			
3.		For industrial development it is intended to serve more than 2 or 5 plots minimum width is					
	(a) 12 m	(b) 7.2 m	(c) 13 m	(d) 1.5 m			
4.	Outlying residential d	CO2- R					
	(a)Urban sprawl	(b) Urban note	(c) Suburban area	(d)Fringe area			
5.	The space for the one	CO3- R					
	(a) 5m x 5m	(b) 2.5m x 5m	(c) 2.5m x 2.5m	(d) 3m x 2.5m			
6.	is stall of land.	CO3- R					
	(a) Land use control		(b) Sub division control				

(d) height controls

7.	Whi	ich type of trees a	are suitable for shading	able for shading purposes				
	(a) I	Deciduous	(b) Non deciduous	(c) Bamboo	(d) Neem tre	e		
8.			designed for healthy libele a full measure of so	ving & industry of a scial life but not larger.		CO4- R		
	(a) g	garden city	(b) master plan	(c) town plan	(d) none of t	hese		
9.	Whi	ich one is legal ir	nplications		CO5-			
	(a) I	Easements	(b) Cost of land	(c) Cost of vehicle	(d) Cost of b	uilding		
10.		town planning, centage	the residential zone	lies between		CO5- R		
	(a) 2	20-30	(b) 30-40	(c) 40-50	(d) 50-60			
			PART - B (5 x	2= 10 Marks)				
11.	Wri	te a note on "Arc	hitectural Design"			CO1- R		
12.	Explain different theories of developments CO2- F							
13.	Differentiate between commercial and Industrial buildings.							
14.	Name any four passive cooling concepts.							
15.	5. State the objective of zoning regulations.							
			PART – C (5	5 x 16= 80 Marks)				
16.	(a)	(i) Briefly discu	uss about basic element	ts in architectural design	CO1- U	(8)		
		(ii) How do you design	-	nd functions in architectur	ral CO1-U	(8)		
	(b)	Diaguag in data	Or	nyalvad in an arabitaatur	al CO1- U	(16)		
	(b)	design	n about the principles i	nvolved in an architectura	ar COI- U	(16)		
17.	(a)	Explain in deta	ils the various Layout o	design concepts.	CO2- U	(16)		
	(b)	` /		onsidered in site analysis	CO2- U	(8)		
		(ii) Give side so buildings	etbacks as per Chennai	DCR for multistory	CO2- U	(8)		
18.	(a)	(i) Describe the industrial bu	•	adopted in commercial an	nd CO3-U	(8)		
		(ii) Explain the	need of integration of Or	building services.	CO3- U	(8)		

Draw a sketch of a typical 'basement floor' and 'mezzanine floor' CO3- U (16)with dimensions as stipulated by NBC State the characteristics of the climate types and what do you CO4-U 19. (a) (16)understand by active and passive energy controls? Or Discuss in detail about Passive and active energy controls. (b) CO4- U (16)Draw a park and play ground with suitable landscaping for a CO5-U 20. (a) (16)neighborhood with a population of 10,000. Or (b) Discuss briefly on urban renewal. Explain the concepts of public CO5-U (16)

participation in urban renewal projects.