## B.Arch. Examination, 2019

(5<sup>th</sup> Year, 1<sup>st</sup> Semester, old)

## PRINCIPLES OF URBAN & RURAL PLANNING

Full Marks: 100	Time: Three Hours	
The figures in the margin indicate full r	narks	
Question No.1 is compulsory and to answer any five from the		
1 (a) (i) The basic unit for a Urban area is	는 전환 경기 회사 회에 가장 보다. 	
(ii) CIAM stands for		
(iii) The sewerage is estimated at the rate of% of	the water supply in	
an area.		
(iv) The Radburn concept proposed the idea of		
(v) The Versailles garden was designed by		
(vi) ECS in parking stands for		1.1
(VII) JININURIVI Stands for		
(viii)Islamabad city was designed by		
(ix) Jaipur city is based onmand		
(x) The KMC area for the city of Kolkata is	Sq kms.	10
(b) (i) Define the Census Town and its types.		05
(ii)Class II data for a Commercial area in a Landuse pla		05
(iii) Gross Density of any area is 350 persons/ha. Net I	Density of same area is 450	0
persons/ha. Total site area is 220 ha.		
What will be the area under non-residential?		05
2. (a) Write short notes on: Any 5 (5 x2=10)		10
(i) Ekistics		
(ii) Dynapolis		
(iii) Centuratio System		
(iv) Aesthetic Zoning		
(v) Perspective Plan		
(vi) Broad Acre city		
(b) Contribution of Patrick Geddes in Town Planning		05
3. (a) Define the term neighbourhood.		03
(b) Explain with sketches the conceptual models of Neighbour	hood Planning by	
Clarence Perry and Engel Herdt.		06
(c) Elaborate the V7 road system for the city of Chandigarh an	d its importance in	
neighbourhood planning.	- Company Transfer (1997年) - Company Transfer (1997年) - Company Transfer (1997年)	03
(d) Highlight the importance of Woonerf in neighbourhood pla	anning	03
and the second of the second o		

DEBASHISH DAS Ref. No. EX/ARCH/T/511/2019(old)

4. (a) Differentiate between the following (any 5) (5x3 =15)	15
(i) Radial Sector theory and Concentric Zone theory	
(ii) Roman City Planning and Greek City Planning	
(iii) Medieval and Renaissance Town planning	
(iv) Garden cities & Satellite Towns	
(v) Social Infrastructure & Physical Infrastructure	
(vi) Trip Generation & Trip Distribution	
5. (a) The population for a Town is as given below	12
1971 - 41062	
1981-52596	
1991 -77936	
2001-115483	
Calculate the projected population for the year 2021 by the following method	
(i) By Incremental Increase Method	
(ii) By Geometric Increase Method	er er er er er er. Mar
(iii) By Arithmetic Increase Method	
(b) Define urbanization rate and its impact on urban planning.	3
And the second	
6 (a) "Cities are engines for Rural Development" Elaborate the statement.	03
(b) Highlight and explain various Central Govt. Schemes for Rural Development in se	ctors
of Housing, Poverty alleviation, Roads and Slum improvement.	12
7. (a) Briefly explain the Town Planning Principles of Indian cities from Vedic period to	Post-
Industrialization. Explain with examples and sketches.	7.5
(b) Draw sections for an Urban Residential Street and Urban Arterial Street.	7.5
8. Make sketches for the following cities and explain the conceptual ideas (any 5 )(5 $\times$	3=15) 15
(a) City of Babylon	
(b) Noerdlingen	
(c) Ideal city concept by Vitruvius	
(d) La Cite Industraille by Tony Garnier	
(e) Salt Lake city Kolkata	*
(f) City of Miletus (g) Auroville City	