

## B.Arch. Examination

(5<sup>th</sup> Year, 1<sup>st</sup> Semester, Supplementary Exam 2018(OLD))

## PRINCIPLES OF URBAN &amp; RURAL PLANNING

Full Marks: 100

Time: Three Hours

The figures in the margin indicate full marks

(Answer any five questions, All question carries equal marks)

1. Answer any 4 questions. 4x5=20
  - i. City Beautiful Movement and its planning interventions .
  - ii. What do you mean by Landuse Planning ?
  - iii. Explain Cul de sac and its origin.
  - iv. What is Centuratio System in Roman Town Planning?
  - v. Aesthetic Zoning and its importance
  - vi. Census town and Statutory Towns
  
2. Write short notes on any 4 4 x5=20
  - (i) Conurbation
  - (ii) Dynapolis
  - (iii) OD Survey
  - (iv) Solid waste management
  - (v) Perspective Plan
  - (vi) TDR
  
3. (a) Define the term neighbourhood. 03  
 (b) Explain with sketches the conceptual models of Neighbourhood Planning by Jose Sert and Engel Herdt. 10  
 (c) Explain the importance of neighbourhood concept in sustainable development. 04  
 (d) Highlight the importance of Woonerf in neighbourhood planning 03
  
4. (a) Differentiate between the following (any 4) 4x5.=20
  - (i) Medieval city Planning and Renaissance City Planning
  - (ii) Net Density and Gross Density
  - (iii) Garden cities & Satellite Towns
  - (iv) Social Infrastructure & Physical Infrastructure
  - (v) Concentric Zone theory and Radial Sector Theory

5. (a) The population for a Town is as given below 15  
 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  
 (iii) By Arithmetic Increase Method  
 (b) Define urbanization rate and its impact on urban planning. 5
- 
- 6 (a) What is the impact of demonetization in rural world of India? 05  
 (b) Highlight and explain various Central Govt. Schemes for Rural Development in sectors of Housing, Poverty alleviation, Roads and Slum improvement. 15
- 
7. (a) Explain the planning concept of future urban structure proposed by Soría Y Mata 10  
 (b) Draw sections for an Urban Residential Street and Urban Arterial Street. 10
- 
8. Make sketches for the following cities and conceptual ideas (any 4) 4 x 5=20  
 (a) City of UR  
 (b) Versailles  
 (c) Ideal city concept by Vitruvius  
 (d) Tel el Amorna  
 (e) Salt lake city, kolkata