

B.Arch. Examination, 2017
(5th Year, 1st Semester)
PRINCIPLES OF URBAN & RURAL PLANNING

Full Marks: 100

Time: Three Hours

The figures in the margin indicate full marks

Question No.1 is compulsory and to answer any five from the remaining questions

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| 1 | (a) | (i) The percentage of Commercial areas for Metro cities as per UDPFI is ____.
(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 _____
(vii) Ekistics is defined as _____
(viii) Vidhyadhar Nagar city was designed by _____
(ix) URDPFI stands for _____.
(x) As per UDPFI, the recommended design speed of arterial street is _____. | 10 |
| | (b) | (i) Census definition of a town.
(ii) Landuse Planning
(iii) Maslow's law of hierarchy of human needs. | 05
05
05 |
| 2. | (a) | Write short notes on : Any 5 (5 x2=10) | 10 |
| | | (i) Conurbation
(ii) Dynapolis
(iii) OD Survey
(iv) Aesthetic Zoning
(v) Perspective Plan
(vi) TDR | |
| | | (b) Contribution of Patrick Geddes in Town Planning | 05 |
| 3. | (a) | Define the term neighbourhood. | 02 |
| | (b) | Explain with sketches the conceptual models of Neighbourhood Planning by Jose Sert and Engel Herdt. | 07 |
| | (c) | Explain the importance of neighbourhood concept in sustainable development. | 03 |
| | (d) | Highlight the importance of Woonerf in neighbourhood planning | 03 |

4. (a) Differentiate between the following (any 5) (5x3 =15) 15
- (i) Remote Sensing & Arial Phtography
 - (ii) Medieval city Planning and Renaissance City Planning
 - (iii) Net Density and Gross Density
 - (iv) Garden cities & Satellite Towns
 - (v) Social Infrastructure & Physical Infrastructure
 - (vi) Trip Generation & Trip Distribution
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5. (a) The population for a Town is as given below 10
- 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. 3
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- 6 (a) What is the impact of demonetization in rural world of India? 03
- (b) Highlight and explain various Central Govt. Schemes for Rural Development in sectors of Housing, Poverty alleviation, Roads and Slum improvement. 12
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7. (a) Explain the planning concept of future urban structure proposed by Le Corbusier. 7.5
- (b) Draw sections for an Urban Residential Street and Urban Arterial Street. 7.5
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8. Make sketches for the following cities and conceptual ideas (any 5) (5 x 3=15) 15
- (a) City of UR
 - (b) Versailles
 - (c) Ideal city concept by Vitruvius
 - (d) La Cite Industraille by Tony Garnier
 - (e) Tel el Amorna
 - (f) Salt lake city, kolkata
 - (g) Centuratio System