

B.Arch. Examination, 2022
(4th Year, 2nd Semester)

INTRODUCTION TO URBAN & REGIONAL PLANNING

Full Marks: 100

Time: 3 Hours

The figures in the margin indicate full marks

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

Q1.

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| (a) (i) 73 rd and 74 th Amendment Act. | 05 |
| (ii) Vastu Purusha Mandala and its town planning aspects | 05 |

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| (b) The population for a Town is as given below | 10 |
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1971 – 38284

1981- 49909

1991 –67105

2001- 92367

2011 - 112405

Calculate the projected population for the year 2021 by the following method

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| 1. By Incremental Increase Method | |
| 2. By Geometric Increase Method | |
| 3. By Arithmetic Increase Method | |
| (c) Gross density of any area is 200 persons/ha. Net density of the same area is 450 person/ha. Total area of the site is 350 ha. | |
| What will be the area under Non- Residential? | 5 |

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| Q2. i. Explain the City Planning concepts of Vidhyadhar Nagar by BV Doshi. | 5 |
| ii. Highlight the contribution of Patrick Geddes in Urban and City Planning | 5 |
| iii. Highlight the contribution of Ebenezer Howard in Urban and City Planning | 5 |

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| Q3. (a) Write short notes on: Any 5 (5 x3=15) | 15 |
| (i) Ideal city by Vitruvius | |
| (ii) concept of TDR | |
| (iii) Centuratio System | |
| (iv) Landuse Planning. | |
| (v) Green City Concepts | |
| (vi) Concentric Zone Theory | |

- Q4. (a) Define the term neighbourhood. 03
(b) Explain with sketches the conceptual models of Neighbourhood Planning by Clarence Perry and Engel Herdt. 06
(c) Elaborate the V7 road system for the city of Chandigarh and its importance in neighbourhood planning. 03
(d) Highlight the importance of Woonerf in neighbourhood planning 03
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- Q5. (a) Differentiate between the following (any 3) (5x3 =15) 15
(i) Medieval and Renaissance city Planning
(ii) Roman City Planning and Greek City Planning
(iii) Development plan and Perspective Plan
(iv) Statutory Towns and Census Towns
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- Q6. Explain the Following theories: (Any 3) (5x3= 15)
i. Concept of Central Place Theory.
ii. Von Thünen Theory
iii. Highlights of Radburn Planning concept
iv. Webers theory of Industrial Location
v. Primate City and Rank Size Rule.
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- Q7. Make sketches for the following cities and conceptual ideas (any 5) (5 x 3=15) 15
(a) City of UR
(b) Timgad City Plan
(c) Carcassonne Plan
(d) La Cite Industrielle by Tony Garnier
(e) Tel el Amorna
(f) City of Miletus
(g) Versailles
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