

## B.Arch. Examination, 2024

(4<sup>th</sup> Year, 2<sup>nd</sup> Semester)

## INTRODUCTION TO URBAN &amp; 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.

(a) Fill in the Blanks....

- i. The concept of TOD was proposed by \_\_\_\_\_
- ii. The City of Miletus was designed by \_\_\_\_\_
- iii. As per URDPFI guidelines the percentage of residential landuse in Metro cities \_\_\_\_\_.
- iv. AMRUT stands for \_\_\_\_\_
- v. City of Amarna is an example of \_\_\_\_\_ civilization.
- vi. The concept of Dynapolis was given by \_\_\_\_\_
- vii. Conservative Surgery concept was proposed by \_\_\_\_\_
- viii. The City of Jaipur was planned based on \_\_\_\_\_ mandala.
- ix. The Radiant city concept was proposed by \_\_\_\_\_
- x. The urbanization rate in India as per 2011 census is \_\_\_\_\_%. 10

(b)

- (i) Explain the role of 73<sup>rd</sup> and 74<sup>th</sup> Amendment Act in planning. 05
- (ii) Briefly explain the measures taken by Govt. of India to address the problems of urbanization. 05
- (iii). What are statutory towns? Explain its various types. (2+3) 05

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- Q2. i. Explain the Planning concepts proposed by Le Corbusier. 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) Census towns
  - (v) TOD concept in planning
  - (vi) Multiple Nuclei Theory
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[ Turn over

Q4. (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) Social & Physical Infrastructure

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Q5. Explain the Following theories: (Any 3 ) (5x3= 15)

- i. Concept of Central Place Theory.
  - ii. Von Thünen Theory for Agricultural Location.
  - iii. Highlights of Radburn Planning concept
  - iv. Webers theory of Industrial Location
  - v. Primate City and Rank Size Rule.
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Q6.

i. Explain the concept of Neighborhood planning as suggested by Clarence Stein and Perry. 6

ii. What do you mean by zoning?

Briefly explain Density zoning, Height zoning and Aesthetic zoning. (3 +6=9)

Q7. Make sketches for the following cities and conceptual ideas (any 5 ) (5 x 3=15) 15

- (a) City of Babylon
  - (b) City of Kolkata
  - (c) City of Carcassonne Plan
  - (d) La Cite Industrielle by Tony Garnier
  - (e) City of Banaras
  - (f) City of Vidhyadhar Nagar
  - (g) Versailles Garden
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