

Master of Architecture, 1st Semester Examination, 2017

Urban Amenities

Time: 3 hours

Full marks: 100

Attempt any five questions. All questions carry equal marks.

1. Define "Urban Amenities". Describe the importance of different elements of urban amenities in urban design strategy formulation.
2. Describe the urban road classification system in India. Draw the cross sections of an urban arterial street, urban sub-arterial street, urban collector street through residential areas. Define Sight distance.
3. State the sources and types of waste water of an average Indian city. Briefly describe the treatment methods of waste water and advantages of waste water treatment.
4. What are the sources of solid waste? State the characteristics of solid waste. Briefly describe the process of efficient solid waste management in any urban area.
5. Write short notes on: (any Two)
 - a. Conventional treatment methods and systems of distribution of public water supply
 - b. Elements of road design
 - c. Street lighting in urban and village roads
6. Describe different elements of urban street utility. Discuss about the role of the elements of urban street utility for formulation of urban design strategy.
7. Define Environmental Impact Assessment (EIA). Name the types of projects that require EIA. What are the components of EIA. State the steps of preparation of EIA and the differences between Environmental Impact Assessment and Strategic environment assessment.
8. Define urban landscape concept. Discuss different criteria considered in urban landscape design. State the benefits accruing from plantation in urban area.