

URBAN TRANSPORTATION PLANNING

(Video Course under NPTEL)

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Questions for Self Evaluation

MODULE 2: CONCEPTUAL ASPECTS

1. Give the list of land uses into which the urban areas are divided for the purpose of transportation systems planning.
2. Define the terms (i) System, (ii) Environment, (iii) Goal, (iv) Objective and (v) Standard.
3. Explain value function with an example.
4. Draw a flowchart to depict the interrelationship between the components of problem-definition phase of systems engineering process.
5. “Reduce Energy Consumption” is one of the goals of an urban community. List two related objectives and two standards related to each of the objectives to orient the urban transportation-planning process towards the stated goal.
6. Draw a flowchart to depict the steps involved in the analysis phase of transportation-planning process.