# University of Mumbai

Program: **Civil Engineering**
Curriculum Scheme: Rev 2019
Class: TE Semester VI
Course Code: CEDLO6014 and Course Name:DLOC Urban Infrastructure Planning

## <u>SAMPLE QUESTION BANK</u>

### MULTIPLE CHOICE QUESTIONS (30)

1. Property tax is independent of _____
   a. Built-up area
   b. Age factor
   c. Type of building
   **d. Maintenance value**

2. Fiscal concessions are _____
   a. Illegal taxes borne to salaried individuals
   **b. Indirect contributions to the National Society budget**
   c. Used dedicatedly for transportation planning
   d. Not applicable to unemployed citizens of society

3. RERA in construction industry stands for _____
   a. Real Estate Regulatory Agency
   b. Real Estate Regulations Act
   **c. Real Estate Regulatory Authority**
   d. Real Estate Regulations Administration

4. Housing and Urban Development Corporation (HUDCO) was setup in _____
   **a. 1970**
   b. 1880
   c. 2010
   d. 1995

5. JNNURM stands for _____
   a. Jawaharlal Nehru National Urban Railways Mission
   b. Jawaharlal Nehru Nation Under Regional Masterplanning
   c. Jawaharlal Nehru National Urbanisation and Regional Masterplanning
   **d. Jawaharlal Nehru National Urban Renewal Mission**

6. Identify the economic principle of land use planning
   **a. Principle of anticipation**
   b. Principle of alternation
   c. Principle of income distribution
   d. Principle of superposition

7. The majority of stocks of Public Sector establishments are owned by _____
   a. Public
   b. Stock Exchange Department
   **c. Government**
   d. Financial institutions

8. Dimensions of Human Development Index are
   **a. Long and healthy life, knowledge and decent standard of living**
   b. Taxable income, own business and own house
   c. Wealth, health and investment
   d. Spirituality, education and intelligence

9. RFCTLARR Act, 2013, is also known as _____
   a. Right to Fair Construction and Transportation in Land Acquisition, Repairs and Retrofitting Act
   **b. Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act**
   c. Right to Fair Construction and Technology in Land Acquisition, Repairs and Rehabilitation Act
   d. Right to Fair Compensation and Transportation in Land Acquisition, Rehabilitation and Retrofitting Act

10. According to Prof. Dalton, the scope of public finance includes _____
    a. Income tax, Public expenditure and financial administration
    b. Wealth tax, Income tax and financial administration
    **c. Public income, Public expenditure, public debt and financial administration**
    d. Property tax, Public debt, mortgaging value and financial administration

11. Urban data provides _____ for urban planning.
    **a. Environmental and societal information**
    b. Technical and societal information
    c. Environmental and technical information
    d. Geographical and topographical information

12. Standard scales of Toposheets are _____
    a. 1:250, 1:500 and 1: 250,0
    **b. 1:25,000, 1:50,000 and 1: 250,000**
    c. 1:2,500, 1:5,000 and 1: 25,000
    d. 1:2,50,000, 1:5,00,000 and 1: 2,50,00,000

13. Information regarding area of interest for aerial photography, its scale and cost rates can be obtained from
    a. Web Aerial Photography Transaction Registry
    b. National Government agencies
    **c. Surveyor General's Office, Dehradun**
    d. Ministry of Defence

14. The smallest planning unit is conceived as Housing Area for a population of
    a. 500 people
    **b. 5,000 people**
    c. 50,000 people
    d. 50,00,000 people

15. Percentage of developed residential area in a metropolitan should be within _____
    **a. 36-38**
    b. 52-55
    c. 10-35
    d. 30-40

16. Length of Coastline in India's Transport system is around _____
    a. 1,000 km
    b. 3,000 km
    c. 4,500 km
    **d. 6,000 km**

17. PM GatiShakti Master Plan for Expressways will be formulated in
    a. 2025-26
    b. 2023-24
    **c. 2022-23**
    d. 2026-27

18. India's road network is the _____ network in the world
    a. Third largest
    **b. Second largest**
    c. Fourth largest
    d. Largest

19. BCAS in Indian Transport system stands for _____
    **a. Bureau of Civil Aviation Security**
    b. Bureau of Civil Aviation Society
    c. Bureau of Civil Architectural Society
    d. Bureau of Civil Administration Security

20. Section 184 of Motor Vehicles Amendment Act 2019 deals with
    a. Imposition of Octroi
    **b. Driving Dangerously**
    c. Road User Costs
    d. Paying tolls

21. ULB in development management stands for _____
    a. Users of Local Bodies
    b. Utilities of Local Bodies
    c. Urbanization of Local Bodies
    **d. Urban Local Bodies**

22. Which organisation is established as an autonomous self-regulatory body in 1998 under Ministry of Housing and Urban Affairs, Govt. of India.
    a. **National Real Estate Development Council**
    b. Confederation of Real Estate Developers' Associations of India
    c. Ministry of Housing and Urban Affairs
    d. Ministry of Electronics and Information Technology

23. Which organization designs, organizes and establishes a comprehensive information system for planning, management and decentralised governance?
    a. Ministry of Housing and Urban Affairs
    b. **National Urban Information System**
    c. Ministry of Urban Development
    d. Infrastructure Development Department

24. Urban Spatial Information System generates _____ for each town
    a. Toposheets
    b. Remote sensed imageries
    c. **3D GIS database**
    d. Contour plans

25. Spatial data infrastructure (SDI) is frequently used to refer _____
    a. Fundamental set of information technologies and machine learning
    b. GIS Organizational structures and AI
    c. Electronic, IT and Survey Database
    d. **Fundamental set of technologies, policies, and organizational structures**

26. Environmental Protection Act in India was formulated in the year _____
    a. 1983
    b. 1984
    c. **1986**
    d. 1989

27. UNEP stands for _____
    a. United Nations Economical programme
    b. **United Nations Environment programme**
    c. Urban National Ecological programme
    d. Urbanization of Nations and Environment programme

28. "Urban heat islands" occur when
    a. **Cities replace natural land cover with dense concentrations of pavement and buildings**
    b. Cities deforest a large forest cover for construction purpose
    c. Regions are deficit of water supply in high temperatures
    d. Regions are hit by famines and pandemics

29. _____ aims to make India disaster resilient and significantly reduce the loss of lives and assets.
    a. Disaster risk governance
    **b. National Disaster Management Plan**
    c. Environment Impact Assessment
    d. Relief Logistics and Supply Chain Management


30. National Disaster Management Authority was formally constituted in the year _____
    a. January 2008
    b. May 2004
    **c. December 2006**
    d. February 2010


## SUBJECTIVE QUESTIONS

## (5 MARKS EACH)

1. Write detailed notes on Human Settlements and Civilization
2. What are the basic elements of a CITY? Explain properly
3. Explain the following: **(5 Marks each)**
    a. G.D.P
    b. Inflation
    c. National Wealth
    d. Housing Taxation
4. Importance of Economics in Public Finance and Urban Development
5. Role of Land Economics in Urban Development and Planning.
6. Explain about LAND-USE Planning.
7. Role of Public sector in economics of our country and changing economic policies and their effects.

8. Discuss about Role of Infrastructure in Urban Development
9. What are the basic elements of Infrastructure and their importance?
10. Discuss about Planning and Management of: **(5 Marks each)**
    a. Water Supply and Treatment
    b. Sanitation
    c. Recycling of Water
    d. Sewage Treatment
    e. Solid Waste Management
    f. Storm Water Drains
    g. Rainwater Harvesting
    h. Firefighting
    i. Planning for Education and Health.


11. Write detailed notes on "Transportation Infrastructure & Management".
12. What do you mean by characteristics of Transportation? Also discuss about Maintenance of Roads.

13. How the following agencies influence the Urban Bodies and Government: **(5 Marks each)**
    a. N.G.O
    b. Environmentalists
    c. Green Activists
14. Discuss about the important features and their application for Safe Environment.
15. How Disaster Management is used to deal with Emergency issues?

## SUBJECTIVE QUESTIONS

## (10 MARKS EACH)

1. Explain in detail about concept of Time and Space.
2. What do you mean by Micro and Macro Economy? Explain in detail.
3. Explain in detail about RERA and its application.
4. Explain in detail about Industrial Location Policies.
5. What do you mean by Human Development Index (HDI)? Explain in detail.
6. Explain in detail about balanced growth and unbalanced growth.
7. What do you mean by Resource Analysis and its importance?
8. Discuss about Resource Distribution.
9. Discuss about Zoning in a City, Urban Layout, Housing Layout, Urban Aesthetics, Landscaping and Land Acquisition Acts.
10. Discuss about Mass Transit System and Traffic Management schemes in Urban Areas.
11. Discuss in detail about Economic Evaluation of Transport Projects.
12. Write in detail about Intelligent Transport Systems (ITS) and its applications.
13. Discuss about Development Management and Urban Governance in detail.
14. What are the important Urban Reforms? How are the Modern Tools used effectively in cities?
15. Discuss in detail about Disaster Resilient Management and its features.
16. What do you mean by "Vulnerability Analysis"? How is it used in Urban Areas?