



PUBLIC SERVICE COMMISSION, WEST BENGAL

161A, S.P. MUKHERJEE ROAD, KOLKATA - 700 026

Scheme & Syllabus for recruitment to the post of Assistant Town Planner under the Department of Urban Development & Municipal Affairs Department, Govt. of West Bengal vide Commission's Advt. No. 26/2019

Date of Examination: 17th May 2020

SCHEME OF THE EXAMINATION

1. MCQ type question with 100 Questions carrying 1 (one) mark each. There will be negative marking (0.33 mark) for each wrong answer.
2. Time : 1 Hour 30 Minutes
3. Distribution of Marks :

i) Country & Town Planning	= 60 marks
ii) English	= 15 marks (Madhyamik Standard)
iii) G.K.	= 15 marks (-do-)
iv) Arithmetic	= 10 marks (-do-)

SYLLABUS OF i) COUNTRY & TOWN PLANNING

1. Planning History and Theory:

- Evolution of City Building.
- Planning History – Town Planning in ancient India, Indus Valley Civilization, medieval period.
- Definitions and Objectives of Planning.
- Theories of City Development and Planning Theories.
- Implication of Urban Design in Urban Planning.

2. Demographic and Socio-Economic Basis of Planning:

- Characteristic of Demography.
- Nature and Scope of Sociology.
- Community and Settlements.
- Elements of Micro and Macro Economics.
- Development Economics and Lessons from Indian Experiences.

3. Statistical Methods and Planning Techniques:

- Survey techniques and mapping – Basic methods of various types of surveys, collection of data, methods adopted to collection of data standards for

development and re-development of residential, commercial, industrial and recreational areas, land use planning, inclusive planning and sustainable development, Sustainable Development Goals (SDG).

- Analytical Methods.
- Demography and Demographic Methods.
- Planning Standards & Guideline – URDPFI, Model Building Bylaws, Guidelines of Smart City, AMRUT etc.
- GIS Application, remote Sensing & GIS Mapping.
- Statistical Applications.

4. City and Metropolitan Planning:

- Urban growth and systems of cities.
- City – region linkages.
- Metro and Mega cities – Problems, issues and innovative approach for mitigation.
- Master planning and Zoning – Objects and necessity of Master plan, stages in preparation of master plan, principles of zoning, development control regulations (DCR), local area plans.
- Human settlement planning, Urban Development policies and Programmes.

5. Regional Planning:

- Concept of Region.
- Planning principle involved in delineation of region.

6. Housing Environments and Planning:

- Concepts and Definition.
- Socio Economic Dimension.
- Housing policy, Agencies involved in housing, infrastructure planning for housing, different categories of houses HUDCO norms, requirements and classification of residential buildings. Fundamentals of Development Control Norms / concepts behind development of area specific byelaws (for eg. Heritage & Conservation areas).
- Housing environment.
- Nature of housing problem, housing shortage, causes of slums and squatter settlements, computation of housing need and demand, informal housing.
- Housing policy in developed and developing countries, focus of national five year plans, rent control and urban land ceiling and regulation act, national housing policy.
- Slum upgradation and slum improvement techniques, self-help housing.

7. Infrastructure Planning:

- Role of infrastructure.

- Planning and management of Water supply and sanitation, Solid Waste, waste water disposal, transportation, Fire and electrification.
- Need assessment and planning for social infrastructure.
- Disaster and Risk Management.

8. Traffic and Transport Planning:

- Principles of traffic and transportation planning.
- Transportation infrastructure planning, design and management.
- Transportation systems; technological characteristics of transport modes and systems; the nature of demand and supply of transport services.
- Land use – transportation inter-relationships; transportation planning process.
- Travel demand forecasting.
- Planning of public transport systems; intermediate public transport modes; Planning considerations for goods transportations; Traffic flow characteristics; Traffic analyses and design considerations; design of intersections; traffic signals and street lighting; local area traffic management; Recent innovations in technologies and its probable impacts on future urban forms.
- Environmental impacts of traffic; energy issues in transportation; transportation safety.
- Government transport policies and evaluation of transportation proposals.

9. Town planning legislation:

- Understanding of Law.
- Planning Legislation and Policy Formulation and Appraisal.
- West Bengal Town & Country (Planning & Development) Act, 1979.
- West Bengal Municipal Act, 1993.
- West Bengal Municipal Corporation Act, 2006.
- Energy Conservation Building Code (ECBC), 2007.
- 74th Amendment of Constitution.
- Model Building Bylaws, Guidelines of Smart City, AMRUT.

10. Inclusive Urban Planning:

- Stakeholders Profile and Needs, Access to Shelter, Services and Livelihoods.
- Participatory Planning Process and Policies, Programmes and Legislation.
- Planning interventions.

11. Urban Heritage Conservation:

- Urban Heritage.
- Heritage Conservation.
- Heritage and Tourism, Policies and Programmes, Legislation.

- Design in Human Habitation.
- 12. Industrial planning:**
- Classification of industries.
 - Selection of site / location for industries.
 - Planning of industrial estate, Industrial wastes, treatment.
- 13. Environment, Development and Disaster Management:**
- Environment, Development and Disaster Management – Interface.
 - Environmental Management.
 - Disaster Mitigation and Management.
 - Policies and Legislation pertaining to Environment and Disaster Management.
- 14. Planning for Tourism:**
- Tourism Sector – impacts.
 - Planning for Tourism.
 - Policies and Programmes.
- 15. Urban Development and Management:**
- Introduction to Development Management.
 - Urban Development Management.
 - Land and Real Estate Development.
 - Information Systems and Urban Reforms.
- 16. Project Planning and Management:**
- Project planning.
 - Project Formulation and Appraisal.
 - Project Management and Implementation and Project Evaluation and Monitoring.
 - Regulatory Frameworks Governing Projects.
- 17. Urban Governance:**
- Overview of Urban Governance.
 - Legislations pertaining to Urban Governance.
 - Institutions and Organizations.
 - Urban Local Governance and Participatory Processes.
- 18. Politics and Planning:**
- Interface between Politics and Planning.
 - City and the State.
 - Politics related to Planning and Development.
 - Politics and Civil Society.

19. Energy, Climate Change and Urban Development:

- Energy Generation and Consumption.
- Energy Planning and Management and Mitigation and Adaptation to Climate Change.
- Plans, Policies and Strategies.

20. Development Finance:

- Overview of Development Finance.
- State Finance.
- Municipal Finance.
- Investment Planning and Financing Mechanism.
