

**RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER**  
**SCHEME & SYLLABUS FOR THE POST OF ASSISTANT TOWN**  
**PLANNER COMPETITIVE EXAM, 2022**  
**TOWN PLANNING DEPARTMENT**

**Part- A**

- **History, Culture & Heritage of Rajasthan -**

Pre & early history of Rajasthan. Age of Rajputs: Major dynasties of Rajasthan and the achievements of prominent rulers. Emergence of Modern Rajasthan: factors of socio-political awakening of 19<sup>th</sup> century; Peasants and tribal movements of 20<sup>th</sup> century; Political struggle of 20<sup>th</sup> century and the integration of Rajasthan.

Visual Art of Rajasthan - Architecture of forts and temples of Rajasthan; Sculpture traditions of Rajasthan and various schools of painting of Rajasthan.

Performing Arts of Rajasthan - Folk music and musical instruments of Rajasthan; folk dance and folk drama of Rajasthan.

Various religious cults, saints and folk deities of Rajasthan.

Various dialects and its distribution in Rajasthan; literature of Rajasthani language.

- **Geography, Natural Resource & Socio-Economic Development of Rajasthan -**

Geography of Rajasthan: Broad physical features- Mountains, Plateaus, Plains & Desert; Major rivers and lakes; Climate and Agro-climatic regions; Major soil types and distribution; Major forest types and distribution; Demographic characteristics; Desertification, Droughts & Floods, Deforestation, Environmental Pollution and Ecological Concerns.

Economy of Rajasthan: Major Minerals- Metallic & Non- Metallic; Power Resources- Renewable and Non Renewable; Major agro based industries- Textile, Sugar, Paper & Vegetable oil; Poverty and Unemployment; Agro food parks.

- **Current Events and Issues of Rajasthan and India -**

Important Persons, Places and Current events of the State. National and International events of importance. National and International Organisations- (BIS, ICMR, ICAR, Council for Social Welfare, APEDA, Export Inspection Council, FAO, WHO, ISO, WTO). New Schemes & Initiatives taken recently for welfare & development in Rajasthan.

**40 Questions**

## **Part B**

- Nature, Evolution and History of Town Planning in Ancient, Medieval and Modern Period. Theories, concepts and models of town planning - functional classification of towns, Planning and development of new towns and cities, Revitalization of cities of 20th century, Garden city concept, City of tomorrow, Geddian trio concept, Neighborhood unit concept, Concentric zone model, Sector theory, Single and Multi-Nuclei theory.
- Regional Plan - need of regional plan, Delineation of region, Types of regions, Contents of regional plan, Analysis and projections, National Capital Region (NCR).
- Development Plan (Goals and objectives) - master plan concept, approach for urban & rural (scope & purpose), urban design. Difference between Structure Plan and Development Plan, Classification of towns, Data collection, analytical techniques and representation, Surveys and projections- Land utilization, density, zoning, etc. Implementation and financial aspects of Development Plan.
- Urban infrastructure services and amenities, URDPFI standards for provisions for social infrastructure, Physical infrastructure, etc like shopping centers, education and health facilities, parks and playgrounds, banking, etc. for planned development.
- Special Area Plans for heritage and tourism development, other area development plans like Zonal Plans, Sector Plans, Neighborhood Plans, etc. Revitalization and rehabilitation strategies for places of cultural/religious/historical sites.
- General importance of housing, Housing problems in India, Indian scenario of housing demand and supply, Housing policies in India, General principles for planning and design of residential areas, Affordable housing, PMAY, Mukhaya Mantri Awas Yojana etc.
- Slums and squatter settlements - Causes and effects, Prevention of slum formation, Slum development programmers, Different programs and policies for control and rehabilitation of slums in India.
- Planning and present position of modern towns in India. Factors affecting town planning and development. Satellite towns, new towns, case studies, Public participation, neighborhood concept, urban fringe and Umland etc.
- Urban Environments, Ecology and Sustainability, Planning for Eco-sensitive zones, Eco-sensitive planning based on Blue and Green infrastructure, Concept and implementation of rain water harvesting.
- Sustainable Development Goals (SDG), Sustainable urban development practices, Green Building Rating Systems in India, Environment policies and guidelines for planning, Land resource management, Concepts of land pooling, TDR, TP scheme, etc. and their use in planning process.
- Resilient cities, Planning and design for disaster mitigation and management, Disaster management plan and guidelines, Incidental response system, Planning strategies for pandemic and post pandemic scenario, etc.
- Climate change and its risk to human existence, Climate responsive planning and Design of settlements. Urban heat island effect. Environment policies & clearance, Environmental Impact Assessment, Green Building.

- Traffic and transportation studies, IRC standards, Roads hierarchy, typology and networks in the city, Express ways, Free-ways, Ring roads, etc. Effect of major transport corridors like DMRC, Green Corridor, etc. on planning and design of parent city and its hinterland.
- Traffic surveys like origin and destination survey, Traffic volume survey, Modal split, etc. Requirements for civil aviation and railways in city development plan, Transport system, Public transport: (BRTS, Metro, Intelligent Transport system, etc.), Planning for enhancing walk ability, Non Motorized Transport (NMT), public transport and Mass rapid transport systems in urban settlements, Green belt, Road marking and street light, Road geometry, Intersection design, identification and rectification of black-spots, clash-points, etc. Traffic laws and related problems pertinent to planning and design.
- Current events and technology for spatial planning, Urban development, use of space technology, remote sensing, GIS, GPS etc. for urban area monitoring and mitigation, Land information system and Likewise functions.
- Urbanization, Government schemes and missions – Salient features of Indian urbanization, Challenges of urbanization (service and facilities) integrated development/redevelopment schemes/projects. Flagship programmes like Smart City Mission, AMRUT, HRIDAY, etc.
- Financial assistance to municipal councils under plans and schemes. Preparation of DPR. Town Planning Scheme - concept, preparation (as per Act), contents, cost, functions of Arbitrator, Tribunal for appeal.
- Process and pattern of urban growth, Rank Size Relationship (control petal, fugal & spatial differential), analysis - threshold analysis, SWOT analysis, Land suitability analysis, Land use patterns.
- Role, functions and organization structure of urban agencies – DLB, ULB, LSG, RUIDP, RUDSICO, RHBT, Housing finance institutions, REAL, RERA, BIDA, LAP etc. Non-government development organizations and their relationship with local government, Citizen participation. Implementation of projects - PPP models, Practice of PPP in Urban Infrastructure Development.
- Evaluation of planning legislation, Relevant acts, rules related to development authorities, ULBs, UITs, etc. Rajasthan Town Planning Act, Municipal Councils Act, Land Revenue Code, Urban and Municipal Acts, Street Vendors Act, Environment Protection Act, Rajasthan Stamp & Duty Act. 73<sup>rd</sup> and 74<sup>th</sup> Constitutional Amendment Act, Unified Prevailing Building by Laws. Development control rules & urban regulatory concepts.
- Legal provisions and policies of India and Rajasthan in particular, viz. Township policy, New Land allotment policy, Urban Transport policy, Land-Utilization policy, National Housing policy, Energy policy, Tourism policy, etc.
- Underlined functions of government organizations for planning and governance in urban areas, etc., Role of elected representatives in urban governance, Non-government organizations and their relationship with local government, citizen participation, etc.

- Man and environment, Traditional pattern and trends of change in Indian society, concept of social structure, culture and social institutions. General awareness about architecture & town planning of cities in Rajasthan, Vernacular practices and construction techniques used in famous buildings of Rajasthan.
- Engineering materials and construction technology - Selection of site for the construction of various types of buildings, Basic understanding and knowledge of construction practices, structural mechanics and techniques like bonds in masonry, damp proof course, scaffolding, etc. and building elements like staircase, roofs, doors and windows, etc. Basic understanding concepts and applicability of human comfort, Ventilation and air conditioning and acoustics, etc. in indoor and outdoor environment. Basic knowledge and understanding of building plans of multistoried and special building, site plans/key principals of designs etc.

**110 Questions**

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<b><u>Scheme of Examination</u></b>				
<b>S. No.</b>	<b>Subject</b>	<b>No. of Questions</b>	<b>Total Marks</b>	<b>Examination Duration</b>
Part-A	General Knowledge of Rajasthan	40	40	2.30 Hours
Part-B	Concerned Subject	110	110	
	Total	150	150	

1. The competitive examination shall carry 150 marks and 150 questions of Multiple Choice Type questions.
2. There shall be one paper. Duration of Paper will be Two hours and Thirty Minutes.
3. Negative marking shall be applicable in the evaluation of answers. For every wrong answer one-third of the marks prescribed for that particular question shall be deducted.

Explanation: - Wrong answer shall mean an incorrect answer or multiple answers.

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