

MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR
DEPARTMENT OF ARCHITECTURE AND PLANNING

SYLLABUS FOR ENTRANCE TEST FOR ADMISSION IN PH.D PROGRAMME

The entrance exam will be of 2 hours. There will be two sections in the question paper: The minimum passing marks in Part A is 50% and 40% in Part B.

1. Part A: Part-A will consist of descriptive/multiple choice questions and will include general awareness/knowledge of research methods, reasoning, analytical ability, qualitative and quantitative methods, basic vocabulary in architecture and planning, professional and technical writing skills, technical communication etc.

2. Part B: Part – B will consist of short answer/multiple choice questions covering various subjects that an Architect and /or Planner with Masters Qualification is expected to know including but not limited to:

- Professional Practice, technical education, role of professional bodies for technical education etc.
- Provisions of National Building Code, Space Standards, URDPFI guidelines, EIA, Legal provisions related to Health Safety and Environment, Building Regulations, Planning acts
- Sustainable Architecture, Energy Efficient Building Designs, Green Building Rating systems in India and abroad, Solar Passive Architecture, Renewable Energy Technologies
- Urban Infrastructure, Urban Environmental Services, Urban Transportation, Transport Oriented Design,
- Major Policies, Mission and schemes of Government of India related to Housing, SMART cities, HRIDAY cities, Swachh Bharat Abhiyan, AMRUT, JNNURM, Slum Up-gradation etc.
- Urban Planning, Housing, Urban Transport, Landscape Architecture, Public Realms, etc.
- General Awareness about Environment, Ecology, Climate Change, Global Warming Sustainable Development Goals, Disaster Management, Natural and Built Heritage, Urban

Economics, Conservation and Urban regeneration, Urbanization & its impact on development planning etc.

- Waste Management Technologies, Water Management, ,
- Contemporary and Traditional examples of sustainable / energy efficient techniques / human settlement.
- Basics of Project Management, Construction Management, Real Estate Management, Contemporary Materials and construction Technologies, Structural Systems, High Rise and Long Span structures, Project Finance, Contracts, Public Private Partnerships, Participatory Approaches to Development, Community Participation etc.