



सत्यमेव जयते



Council of Architecture
Ministry of Education, Government of India.

PGETA

COUNCIL OF ARCHITECTURE

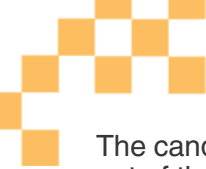
POST GRADUATE ENTRANCE
TEST IN ARCHITECTURE

2025

INFORMATION
BROCHURE
Syllabus

Council of Architecture
Indian Habitat Center, Core 6A, 1st Floor
Lodhi Road, New Delhi-110003

Website: www.pgeta.in



The candidates can appear for maximum of 3 attempts in PGETA 2025 in one academic year. The best score out of the three attempts shall be considered for declaration of final results. The score of PGETA 2025 would be valid for a period of two academic years.

PGETA 2025 entrance Test shall be conducted as a computer-based test (CBT) from the allocated center on Sunday(s). The candidates need to indicate their preference for dates city of entrance Test while registering at PGETA portal www.pgeta.in. The date of test during which the candidate will take the test as well as the Test Centres, shall be allotted by the Council, as far as possible, on the basis of cities preferred by the candidate in the application form. The decision of the Council in allotting Test Centre to candidates shall be final. The Tests shall be conducted as per the schedule as given below:

Syllabus will comprise of 4 modules based on COA Minimum Standards 2020.


Module I - ARCHITECTURE AND DESIGN (64 questions)

- **Fundamentals of Architectural Design:** Design Principles, Architectural Graphics, Architectural Anthropometrics and Ergonomics.
- **Theory of Design and Architecture:** Importance of Theory; Form, Function and Aesthetics in Architecture, Space Planning and functionality, Scale and Proportion in Architectural Design, Visual composition: Rules and Principles, Study of practices and design principles of vernacular architecture and its application with contemporary architectural interventions. Structural System Alternatives; Building Materials and Finishes; Sustainable Building Practices.
- **History of Architecture:** Elements, construction, architectural styles, and examples of different periods of Indian and Western History of Architecture, Oriental, Vernacular and Traditional architecture.
- **Site Planning: Site Analysis:** Zoning and Regulations, National Building Code; Site access and Circulation- horizontal and vertical; Utilities and Infrastructure; Site Grading and Drainage; Landscaping and Green Space Design; Barrier-free design; Spatial Standards.
- **Understanding of Urban Scale Projects / Community Design Projects:** Urban form and design, sustainable urban design principles, Knowledge of Institutional buildings; mass housing schemes; Amenities, and Community facilities. Involvement of stakeholders, participatory, consultative design.

Module II - BUILDING SCIENCES & APPLIED ENGINEERING (14 questions)

- **Climate Responsive Architecture** - Bioclimatic Approach, Elements of climate, Climatic Zones in India, Climatic analysis and Site Analysis, Passive Heating and Cooling Design Strategies, Passive Technologies, Solar Orientation and Control, Wind Effects and Airflow patterns, Thermal Comfort (Terminologies, Concept and strategies).
- **Building Construction and Structures** – Building Materials and their properties (physical, chemical, thermal and Environmental properties), Load bearing and frame construction, Long-span structures, Structural steel, Materials in the building industry, Advanced structures (domes, vaults, folded plates), Pre-stressing Prefabricated structures, post-tensioning. (Concepts and Standards).
- **Building Services and Environmental System Management** - Water and Wastewater Management (Supply, Treatment, Usage and Drainage, water balancing methods), Energy Management (Generation, Utilisation and Efficiency), Waste Management, Acoustics, Artificial and Day Lighting, Renewable Energy, ECBCS code, Sustainable and Green Building Strategies.

Module III - PROFESSIONAL ELECTIVES (06 questions)

- **History and Humanities** - A) Vernacular Architecture - as a process and not a product; Determinants of vernacular form typologies, B) Architectural Conservation – Basic understanding and concepts in Conservation, examples and agencies involved.
 - **Design** - A) Interior Design- Vocabulary; various components and finishes; Interior lighting, Interior landscape, and furniture. B). Art Appreciation and Art in Architecture - Vocabulary and principles of art; Perception and representation; Contemporary Art from India and its appreciation. C). Graphic/ Furniture/ Product Design -elements, principles, and applications; Form to Materials and Processes of Manufacture., D). Contemporary processes in Architecture -Concepts E). Architectural Journalism - professional journalism; Fundamentals of writing, Technologies.
 - **Construction** –A). Disaster Mitigation and Management - Disasters, significance, and types; Basic concepts B). Architectural Design with Steel and Glass – Concepts and possibilities C). Earthquake resistant Architecture - Fundamentals and basic terminology.
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Module IV - PROFESSIONAL ABILITY & SKILL ENHANCEMENT COURSES (16 questions)

- **Legal Framework and regulations** – Architects Act 1972 – Definitions, Provisions, Code of Conduct, Ethics in Professional Practice, Fees, stages of payment, Arbitration, Competitions, National Building Code, Building legislations, Tender documents, Contracts.
- **Project Management** – Concepts, Time, Cost and Quality, CPM and PERT, Cost Analysis.
- **Use of Computers in Architecture** – types of software, 2D and 3D modelling.
- **Entrepreneurship Skills** – Communication Skills, English language skills, various forms of writing.
- **Research in Architecture** – Literature review, Methods of Data collection, Primary and secondary data, Analysis, Central Tendencies in Data, Data representation.
- **Communication skills and English Language**

