

SUBJECTIVE TYPE TEST

Max Marks: 100

Qualifying Standard 50%

Time Allowed: 3 Hours

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| Case No. | F.4-115/2023-R |
| Particulars of post | Architect (BS-17), Revenue Division, Federal Board of Revenue |
| Minimum Qualification & Experience: | i. Bachelor's degree in Architecture from a University recognized by HEC. ii. Member of Pakistan Council of Architects & Planners registered with Pakistan Council of Architects and Planners (PCATP) |

I. History of Architecture

Major periods of history and regions of the world: Ancient Mesopotamia, Egypt, Indus Valley, Greece, Rome, Byzantine, Gandhara, Islamic, Gothic, Renaissance, Baroque, Pre-Modern, Modern, Contemporary including Architecture in Pakistan.

II. Pragmatic Cognizance of Architecture

- Architecture as Contextual Construct
- Architecture as Conceptual Construct
- Theory based enquiry
- Issue based enquiry
- techniques based enquiry
- Potentials of Programme

III. Building Services and Systems

- Introduction to various lighting and illumination systems in buildings: natural and artificial
- Study of sound propagation in building environments and architectural acoustics
- Study of different MEP systems and techniques: heating, ventilation, air conditioning (HVAC), water supply, sanitation, fire-fighting system and equipments, safety and security systems
- Universally accessible buildings
- Vertical and horizontal transportation systems such as elevators, escalators, conveyors/ power walks
- Study of MEP working drawings
- Introduction to international and local building and engineering codes
- Architectural design for security of buildings and infrastructure.
- Study of building as a thermal system, passive design strategies and renewable source of energy for an environmentally sustainable architecture for the various climatic zones of Pakistan

IV. Digital Tools for Architects

AutoCAD, Sketch-up, Revit, 3-D Studio Max, Photoshop, Illustrator, etc.