

**Architecture Exam
for the
Ministry of Foreign Justice**

Coverage of the Architecture Exam:

The Architecture Exam questions will cover the following disciplines:

#	Discipline	Sub-Discipline
1	Architectural Technology	Building Materials and Construction Methods
		Building Systems
2	Site and Building Design	Architectural Planning and Design
		Structural Analysis and Design
3	Professional Practice	Project and Construction Management
		Construction Contracts and Laws

Sample Questions of the Architecture Exam:

1. Which of the following types of concrete construction is reinforced with tensioned high-strength steel-wire strands?

- A. Tilt-up.
- B. Pre-stressed. (Correct Answer)
- C. Cast-in-place.
- D. Precast.

2. Why would high-pressure instead of low-pressure sodium lamps be used in storage warehouse?

- A. They are less expensive.
- B. They have a longer lamp life.
- C. They can operate at higher, more efficient voltages.
- D. They have better color rendering properties. (Correct Answer)

3. The most important factor for locating a new retail center is:

- A. Accessibility to market area traffic. (Correct Answer)
- B. The availability of utilities.
- C. A well-drained level site.

- D. Its proximity to employment zone areas.

4. The frame shown is:

- A. Stable and indeterminate.
- B. Stable and determinate
- C. Unstable and determinate.
- D. Unstable. (Correct Answer)



5. During the construction of the project, the architect receives and evaluates requests for design modifications known as:

- A. Request for information.
- B. Design orders.
- C. Design specifications.
- D. Change (variation) orders. (Correct Answer)

6. The contractual framework for constructing (building) a project includes:

- A. The architect and the contractor.
- B. The owner and the architect.
- C. The owner and the contractor. (Correct Answer)
- D. The construction manager and the architect.

Recommended References the Architecture Exam:

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2. Edward Allen and Joseph Iano. *Fundamentals of Building Construction: Materials and Methods*, 5th edition (New York, United States: John Wiley & sons, 2008).
3. Norbert Lechner. *Heating, Cooling, Lighting: Sustainable Design Methods for Architects*, 3rd edition (New York, United States: John Wiley & sons, 2008).
4. William Bobenhausen. *Simplified Design of HVAC Systems* (New York, United States: John Wiley & sons, 1994).
5. Alison G. Kwok and Walter T. Grondzik. *The Green Studio Handbook: Environmental Strategies for Schematic Design*. (Elsevier, U.K., 2007)
6. Edward Allen and Joseph Iano, *The Architect's Studio Companion: Rules of Thumb of Preliminary Design*, (4th edition, John Wiley & Sons, N.J., 2007).

7. Francis D.K. Ching and Steven R. Winkel, *Building Codes Illustrated: A Guide to Understanding the 2006 International Code*. (John Wiley & Sons, N.J., 2007).
8. Ronald E. Shaeffer. *Elementary Structures for Architects and Builders*, 5th edition (New Jersey, United States: Prentice Hall, 2006).
9. Russell. C. Hibbeler. *Engineering Mechanics-Statics*, 11th edition (New Jersey, United States: Prentice Hall, 2006).
10. Andrew Pressman. *Professional Practice 101: Business Strategies and Case Studies in Architecture* (New Jersey, United States: John Wiley & Sons, 2005).
11. Barry Wasserman, Patrick Sullivan, and Gregory Palermo. *Ethics and the Practice of Architecture* (New Jersey, United States: John Wiley & Sons, 2000).
12. James Franklin. *Architect's Professional Practice Manual* (New York: McGraw-Hill, 2000).
13. Joseph Demkin. *The Architect's Handbook of Professional Practice: The American Institute of Architects* (New Jersey, United States: John Wiley & Sons, 2011).
14. Ernst Neufert and Peter Neufert, *Neufert Architects' Data* , 4th Edition (New Jersey, United States: Wiley-Blackwell, 2012).
15. Francis Ching, *Building Construction Illustrated*, 5th Edition (New Jersey, United States: Wiley, 2014).