

**Test: Architecture and Construction**  
**Variant 1**

*Part 1. Multiple Choice*

Which of the following is not a type of building foundation?

- a) Strip foundation
- b) Raft foundation
- c) Pile foundation
- d) Wire foundation

What is the main purpose of reinforced concrete?

- a) To improve water supply
- b) To increase strength and durability
- c) To reduce building height
- d) To decorate the structure

Which material is most commonly used for thermal insulation in modern buildings?

- a) Steel
- b) Glass wool
- c) Concrete
- d) Aluminum

*Part 2. Matching*

Match the construction tool with its function:

Trowel

Level

Compass

Crane

- a) Lifting heavy materials
- b) Drawing circles and arcs
- c) Spreading mortar
- d) Checking horizontal and vertical surfaces

*Part 3. Fill in the blanks*

The \_\_\_\_\_ is the top part of a building that covers and protects it from the weather.

\_\_\_\_\_ drawings show the layout of rooms, walls, and openings in a building.

In sustainable architecture, the use of \_\_\_\_\_ energy sources is encouraged.

*Part 4. Open Questions*

What is the difference between architectural design and structural design?

Why is sustainable construction important for modern cities?

Name three common types of construction materials and their main uses.

**Variant 2**

*Part 1. Multiple Choice*

Which architectural style is famous for pointed arches and stained glass windows?

- a) Gothic
- b) Baroque
- c) Renaissance
- d) Modernism

What is the main function of a load-bearing wall?

- a) To provide decoration
- b) To carry structural weight
- c) To separate rooms only
- d) To allow natural ventilation

Which of the following is an example of renewable building material?

- a) Concrete
- b) Bamboo
- c) Steel
- d) Asphalt

## *Part 2. Matching*

Match the concept with its definition:

Blueprint

Column

Scaffold

HVAC system

- a) A system for heating, ventilation, and air conditioning
- b) A vertical structural element that supports weight
- c) A temporary platform for workers during construction
- d) A detailed technical drawing of a building

## *Part 3. Fill in the blanks*

A \_\_\_\_\_ plan shows the side view of a building.

Bricks are usually joined together with \_\_\_\_\_.

The process of making a building environmentally friendly is called \_\_\_\_\_ design.

## *Part 4. Open Questions*

What are the advantages of using glass in modern architecture?

Explain the importance of safety rules on a construction site.

How does urban planning influence the development of cities?