

Architectural History and Engineering Milestones

Architecture · Practice Test · 10 Questions

1. Which architect is credited with introducing the 'piloti' system as one of his Five Points of Architecture in the 1920s?

- A) Le Corbusier
- B) Ludwig Mies van der Rohe
- C) Walter Gropius
- D) Alvar Aalto

2. The 'Potala Palace' in Lhasa, which served as the winter palace of the Dalai Lamas, began construction under the 5th Dalai Lama in which year?

- A) 1645
- B) 1580
- C) 1712
- D) 1602

3. Which structural element, perfected by the Romans in the Pantheon, allows for the dome's massive weight to be distributed while utilizing lightweight pumice aggregate?

- A) Coffering
- B) Flying buttress
- C) Pendentive
- D) Trabeation

4. In 19th-century Britain, the 'Battle of the Styles' was primarily a professional and aesthetic conflict between which two architectural movements?

- A) Gothic Revival and Neoclassicism
- B) Art Deco and Brutalism
- C) Baroque and Rococo
- D) Victorian and Edwardian

5. The 'Great Mosque of Djenné' in Mali is the largest structure of which specific architectural material construction?

- A) Mud-brick (Adobe)
- B) Limestone blocks
- C) Reinforced concrete
- D) Marble veneer

6. Which building is considered the first skyscraper to utilize a complete steel-frame skeleton, completed in Chicago in 1885?

- A) The Home Insurance Building
- B) The Woolworth Building
- C) The Monadnock Building
- D) The Rookery Building

7. The concept of the 'Golden Ratio' was famously applied to the facade proportions of which ancient Greek temple?

- A) The Parthenon
- B) The Temple of Olympian Zeus
- C) The Erechtheion
- D) The Temple of Hephaestus

8. Which architect designed the 'Casa Batlló' in Barcelona, a prime example of the Catalan Modernisme style?

- A) Antoni Gaudí
- B) Lluís Domènech i Montaner
- C) Josep Puig i Cadafalch
- D) Enric Sagnier

9. The 'Crystal Palace', designed by Joseph Paxton for the 1851 Great Exhibition, was a pioneering achievement in which material usage?

- A) Cast-iron and plate glass
- B) Wrought iron and brick
- C) Steel and terracotta
- D) Timber and lead glass

10. The 'Fallingwater' residence, designed by Frank Lloyd Wright, utilizes which specific structural method to create its signature cantilevered terraces?

- A) Reinforced concrete beams
- B) Steel truss frames
- C) Post-tensioned cables
- D) Corbelled stone masonry