



NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF THE BUILT ENVIRONMENT

DEPARTMENT OF ARCHITECTURE

HISTORY OF ARCHITECTURE

AAR 1203

Main Examination Paper

May 2015

This examination paper consists of 5 pages

Time Allowed: 3 hours

Total Marks: 100

Special Requirements: N/A

Examiner's Name: Professor John Knight

INSTRUCTIONS

1. Answer any four (4) questions
2. Each question carries 25 marks
3. Sketches to be used to illustrate answers wherever possible

MARK ALLOCATION

QUESTION	MARKS
1.	25
2.	25
3.	25
4.	25
5.	25
TOTAL	100

QUESTION 1

- a. The Renaissance means rebirth.
- i. What is the Renaissance the rebirth of? (2)
 - ii. The Renaissance signals the birth of which age? (1)
 - iii. Describe the changes this age brought about in man`s view of God, the World and himself. (3)
 - iv. Draw the Vitruvius` iconic diagram that represents this new relationship. (3)
 - v. Which two new types of people came to the forefront during the Renaissance? (2)
- b. In 1506, Julius II commissioned the rebuilding of St Peters the holiest of Roman Catholic churches.
- i. Name the architect he first commissioned for this work (1)
 - ii. Name the two architects who completed the building after their predecessor`s death. (2)
 - iii. Describe with the aid of sketches FOUR features of the first design and how the final design differed from these. (8)
- c. Name one building type that came to prominence in the French Renaissance and describe with the aid of sketches how it differs from its medieval counterpart. (3)

[25]

QUESTION 2

- a. In which country did the Baroque Movement in architecture begin? (1)
- b. Name one architect who designed in this style in this country. (1)
- i. Describe one building of his and at least three characteristics that identify it as Baroque rather than Renaissance. (7)

[25]

- c. Christopher Wren is known as England`s greatest architect.
- i. What was his original profession? (1)
 - ii. Name and describe with the aid of sketches his masterpiece. (6)
 - iii. Describe the first design submitted to the Client. Why was it rejected? (5)
- d. Name the Architects who designed any FOUR of the following Baroque buildings
- i. Il Gesu
 - ii. S. Carlo Alle Quattro Fontane
 - iii. Piazza De S. Pietro
 - iv. Versailles
 - v. Vierzehnheiligan
 - vi. Chateau de Vaux le Vicomte (4)
- [25]**

QUESTION 3

- a. Two revolutions paved the way for major social changes in the 19th Century.
- i. Name these revolutions (2)
 - ii. How did the architectural world react to these changes? (4)
- b. This reaction and the technological advancements of the century produced a schism in the world of building design.
- i. How is this schism well illustrated in 19th Century train station design? (5)
- c. Explain how the following made new demands on building form and, using examples, describe what new types of building arose from this:
- i. Industry
 - ii. Commerce
 - iii. Exhibitions (12)

- d. Name the Architect that designed ONE of the following important buildings and the revivalist style to which the chosen example belongs.
- i. Grand Opera Paris
 - ii. British Library
 - iii. Houses of Parliament UK
- (2)
[25]

QUESTION 4

- a. Describe with the aid of sketches the effect the use of the three new building materials, steel, reinforced concrete and plate glass, had on the new architectural movements of the 20th Century. (9)
- b. Name the Style (Art and Architectural) that formed around the Artworks of the painter, Piet Mondrian. (2)
- i. Name the architect and describe with the aid of sketches the house he designed that best represents this style. (4)
- c. Frank Lloyd Wright had a long brilliant and varied career.
- i. He was influenced by which style of national architecture. (1)
 - ii. Name and describe with the aid of sketches, one of his projects (4)
- d. Explain what is meant by the International Style.
- i. Name one Architect and his work that belongs to this movement (1)
 - ii. Name and describe with the aid of sketches, one of his works (4)
- [25]**

QUESTION 5

- a. In the book Complexity and Contradiction in Architecture, Robert Venturi makes the Statement “Less is a Bore”. Describe what he means by this in relation to Modernist and Post-Modernist architecture. (6)

- b. Which Russian *avant garde* movement of the early 20th Century influenced the forms and development of Deconstructivism? (1)
- i. Describe design methods rejected and adopted by this movement. (5)
- c. Name the Architects that designed the following important buildings and the movement to which the building belongs.
- i. Portland Building
 - ii. Sony (AT&T) Building
 - iii. Pompidou Centre
 - iv. Church of Light
 - v. Guggenheim Museum of Art, Bilbao (10)
- d. Name one important work of each of the following architects:-
- i. Mario Botta
 - ii. Norman Foster
 - iii. Daniel Libeskind (3)
- [25]**