

**NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF ARCHITECTURE AND QUANTITY SURVEYING**

**DEPARTMENT OF ARCHITECTURE
BACHELOR OF ARCHITECTURE (HONOURS) DEGREE**

**PART III - SUPPLEMENTARY EXAMINATIONS – JULY 2005
AAR3402 – CONTEMPORARY HISTORY AND THEORY OF ARCHITECTURE II**

Instructions

Time: 3 hours

*You are to answer all four (4) questions.
All questions carry equal marks.
Sketches should accompany all answers where appropriate.
Do not repeat the same parts of answers for different questions.*

Question 1

Using sketches to illustrate some of their works, discuss the influences on the architectural development of ten (10) of the following architects or groups:

Erich Gunnar Asplund,	Peter Behrens,	Mario Botta,
Norman Foster,	Tony Garnier,	Antonio Gaudi,
Frank O. Gehry,	Hector Guimard,	Josef Hoffmann,
Hans Hollein,	Luis Isidore Kahn,	Leo von Klenze,
Kisho Kurokawa,	Henry Labrouste,	Le Corbusier,
Eliel Lisitzky,	Charles Rennie Mackintosh,	Konstantin Stepanovich Melnikov,
William Morris,	Hermann Muthesius,	Richard Josef Neutra,
Johannes Pieter Oud,	Joseph Paxton,	Jacobus Gerrit Thomas Rietveld,
Richard Rogers,	Ludwig Mies van der Rohe,	John Ruskin,
Eliel & Eero Saarinen,	Karl Friedrich von Schinkel,	Gottfried Semper,
Vladimir Tatlin,	Kenzo Tange,	Henry-Clement van der Velde,
Eugene Emanuel Viollet-le-Duc,	Frank Lloyd Wright.	

Question 2

Discuss the following statement about the forces that generate architecture and their crucial relationship with each other:

“The first of these forces is Culture. In our model it is like a giant reservoir, calm and continuous, changing only gradually over the years. The second is Aspirations. This force can be quite different from Culture – though they of course interact continuously. Aspirations are dynamic and volatile, often quite ephemeral. The third force acting on architecture is Climate. It is fundamentally an unchanging force... a very thorough understanding of climate... must go far beyond the merely pragmatic. For at the deep-structure level, Climatic conditions Culture and its expression, its rites and rituals. In itself, Climate is the source of myth; the metaphysical qualities attributed to open-to-sky space in the cultures of India and Mexico are concomitants of the warm climate in which they exist...”

The fourth force acting on architecture is Technology... In architecture, ... the prevailing technology changes every few decades. And each time this happens, architecture must re-invent the expression of the mythic images and values upon which it is based.” (Charles Correa, an Indian architect)

Question 3

Describe in detail three (3) of the following buildings or groups, and explain their significance in the development of contemporary architecture:

- a) Weissenhofsiedlung, Stuttgart;
- b) “Fallingwater”, Bear Run;
- c) Villa Tugendhat, Brno;
- d) Unite d’Habitation, Marseille;
- e) Seagram Building, New York;
- f) TWA Terminal, New York;
- g) Centre Georges Pompidou, Paris;
- h) Hong Kong & Shanghai Bank Hong Kong;
- i) Olympic Stadium, Munich;
- j) Guggenheim Museum, Bilbao.

Question 4

Briefly discuss three (3) of the following architectural styles and terms, and explain their contribution to the development of contemporary architecture, using sketches to illustrate selected buildings:

- a) High Tech,
- b) Jugendstil,
- c) Modern architecture,
- d) Neoplasticism,
- e) Postmodern Architecture,
- f) Purism,
- g) Rationalism,
- h) Regionalism,
- i) Secession,
- j) Vernacularism.