

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

DEPARTMENT OF ARCHITECTURE
BACHELOR OF ARCHITECTURAL STUDIES (HONOURS) DEGREE

PART 1 SECOND SEMESTER EXAMINATION – DECEMBER 2002-10-23
AAR 1203 HISTORY OF ARCHITECTURE 1

Instructions

Time: 2 Hours

Answer ALL questions.

All questions carry equal marks.

Sketches should accompany all answers where appropriate.

QUESTION 1

Briefly discuss five of the architectural styles and terms of the 19th and 20th century, and explain their contribution to the development of contemporary architecture, using sketches to illustrate selected buildings:

- | | |
|-----------------------|----------------------------|
| - Modern architecture | - Post Modern architecture |
| - Constructivism | - Cubism |
| - Neoplasticism | - Regionalism |
| - Vernacularism | - Rationalism |
| - Brutalism | - Deconstructivism |
| - Arts and Crafts | - Chicago School |
| - Art Nouveau | - Bauhaus |

QUESTION 2

Using sketches to illustrate some of their works, discuss the influences on the architectural development of ten of the following architects or groups (choose some from the 19th and some from the 20th century):

- | | |
|---------------------------------|--------------------------------|
| - Alvar Aalto | - Hendrik Petrus Berlage |
| - Norman Foster | - Richard Buckminster Fuller |
| - Tony Garnier | - Walter Gropius |
| - Philip Cortelyou Johnson | - Luis Isidore Kahn |
| - Henry Labrouste | - Eliel Lisitzky |
| - Adolf Loos | - Charles Rennie Mackintosh |
| - Richard Alan Meier | - Erich Mendelsohn |
| - Josef Maria Olbrich | - Jacobus Johannes Pieter Oud |
| - Joseph Paxton | - Auguste Perret |
| - Ludwig Mies van der Rohe | - Aldo Rossi |
| - Antonio Sant'Elia | - Karl Friedrich von Schinckel |
| - James Stirling | - Louis Sullivan |
| - Kenzo Tange | - Bruno Taut |
| - Bernard Tschumi | - Robert Venturi |
| - Eugene Emanuel Viollet-te-Duc | - Otto Koloman Wagner |

QUESTION 3

Describe in detail four of the following buildings or groups, and explain their significance in the development of the contemporary architecture:

- The Crystal Palace, London
- School of Art, Glasgow
- Eiffel Tower, Paris
- Bauhaus, Dessau
- Schocken Department Store, Stuttgart
- Weissenhofsiedlung, Stuttgart
- "Falling Water", Bear Run
- Villa Tugendhat, Brno
- United d'Habitation, Marseille
- Seagram Building, New York
- TWA Terminal, New York;
- Centre Georges Pompidou, Paris
- Hong Kong & Shanghai Bank, Hong Kong
- Olympic Stadium, Munich
- Guggenheim Museum, Bilbao

