

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

DEPARTMENT OF ARCHITECTURE
BACHELOR OF ARCHITECTURE (HONOURS) DEGREE

PART III SECOND SEMESTER EXAMINATIONS – MAY 2002
AAR 3202 – BUILDING CONSTRUCTION IV

Instructions

Time: 3 hours

Answer ALL Questions

All drawings to be freehand annotated sketches: scale 1:50 approximately

QUESTIONS

1. (a) List at least three statutory codes/instruments which constitute the major building codes. [8]
- (b) For each code listed above, demonstrate a detailed insight on how the building code is applied and the agencies that supervise the relevant codes. [12]
2. Assume you have been allocated by the Principal Architect the project designing R Rich's house, specify the following factors from the building codes: (indicate relevant code)
 - (a) Minimum floor area of habitable spaces such as bedrooms [2]
 - (b) Minimum size of windows to a room [2]
 - (c) Minimum floor to ceiling height in any habitable room [3]
 - (d) Permissible minimum height to storage spaces [3]
 - (e) Assume there are 10 people who live in this home, how many w. c. s; w. b. s. would you provide? [5]
 - (f) Suppose the bathroom had blue glass blocks; what is the permissible maximum width of this wall as per the building codes. [5]
3. (a) What are the four main objectives of the Act administered by the Town Planners? [10]
- (b) How does this Act affect Architects in Local Authorities? [10]
4. (a) How does the National Museums and Monuments Act affect historic building additions and alterations? [15]
- (b) Specify the exact sections of the Act that affect the additions and alterations to historic buildings. [5]

5. (a) Specify the procedure for approval of plans by the factory inspector [10]
- (b) What would be the minimum areas of the following spaces under this Act;
- (1) Change rooms
 - (2) Common rooms [5]
- (c) What would be the minimum size of exit ways in any factory as required by this Act? [5]

THE END