

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

DEPARTMENT OF ARCHITECTURE
BACHELOR OF ARCHITECTURAL STUDIES (HONOURS) DEGREE

PART II FIRST SEMESTER EXAMINATIONS – DECEMBER 2002
AAR 2103 COMPUTER AIDED ARCHITECTURAL DESIGN I

Instructions

Time : 4hours

The examination paper consists of house plan, follow step 1 to step 4. All drawings to scale 1:1. Every candidate is provided with 1A4 Question Paper, Appendix 1 and a Floppy Disk 3 ½.

1. The exercise consists of an accurate design of an office block. An incomplete floor plan, elevations and section are saved on the Floppy 3 ½ (A). (The Auto graphics screen is if working on a formatted A2 sheet size 297mm x 420mm) the windows and doors codes are from Standard Radar Metal Catalogue.

Step 1:

- (a) Open the drawings saved on the Floppy 3 ½ saved under name: CAAD 12/2002.
- (b) Save the drawing with the same name CAAD 12/2002 in Drive C and start saving on Drive C.

Step 2:

- (a) Set TEXT STYLE and DIMENSION STYLE as your own choice; note that the letters should be legible at scale 1:100.
- (b) For accuracy you will be required to use THE DRAWING TOOLS: GRID, SNAP, OSNAP, OTHO and as well as CUSTOMIZE relevant MENUS

Step 3:

- (a) COMPLETE the FLOOR PLAN with all dimensions, HATCH and relevant notes as shown on the attached appendix 1
- (b) Save as : Name: **FLOOR PLAN** on Floppy 3 ½ Disk **(50)**
- (c) Complete your name and registration number on the log

Step 4:

- (a) Complete the Elevations and Sections with all notes and windows as shown on Appendix 1. Use a different colour code for different pen thickness.
- (b) Write notes using a TEXT STYLE of your choice.
- (c) Complete the Log and replace student name with your name and candidate number.
- (d) Save as: HOUSE PLAN on Floppy 3 ½ Disk **(50)**

Commands that can be used in the exam:

LIMITS
GRID
SNAP
OSNAP
ORTHO
ZOOM
SAVE AS
LINE
LINETYPE
ERASE
CIRCLE
ARC
REDRAW
REGEN
COPY
MOVE
MIRROR
TRIM
EXTEN
BREAK
HATCH
TEXT
STYLE
FILLET
CHAMFER
ARRAY
LAYER
DIM(ENSION)
BLOCK
PURGE
MENU