



ZIMBABWE

MINISTRY OF HIGHER AND TERTIARY EDUCATION

HIGHER EDUCATION EXAMINATIONS COUNCIL
(HEXCO)

NATIONAL DIPLOMA

IN

CONSTRUCTION TECHNOLOGY

SUBJECT: Computer Aided Design

PAPER NO: 527/S11

OCTOBER/NOVEMBER 2013 EXAMINATION

REQUIREMENTS

1. Computer loaded with Auto cad LT or later version.
2. A3 printer and flash disk

INSTRUCTIONS TO CANDIDATE

1. Answer ALL questions in Section A.
2. Section B is to be answered on a computer loaded with Autocad.
3. Student to create folder on the desktop and save their work in the folder.
4. Only the invigilator should provide a flash disk which should be used to print work.
5. All candidates to leave their examination room after their work is printed.

This paper consists of 4 printed pages.

SECTION A

QUESTION 1

- (a) To install Autocad for a single user you are prompted to specify the type of installation you want. List the seven files inco-operated in Autocad installation. (7 marks)
- (b) In creating New Drawing dialog box which one of the choices do you make to set up a new drawing? (3 marks)
- (c) How do you display the text window while you are in the graphic area? (2 marks)
- (d) Virtually all standard dimensions are provided in Autocad . List five of these. (5 marks)
- (e) Briefly explain how to set up the drawing area in Autocad. (10 marks)

QUESTION 2

- (a) Grid and snap are tools that help you to draw and align your objects. Differentiate the two grid and snap. (6 marks)
- (b) What is the advantage of saving a drawing? (2 marks)
- (c) With the Quick setup wizard you establish basic settings that help define the unit of measurement and drawing area. These settings include which basic unit type. (5 marks)

SECTION B

QUESTION 3

Fig 1 shows a part of a floor plan for a cottage for Mr Shumba. It consists of the following:-

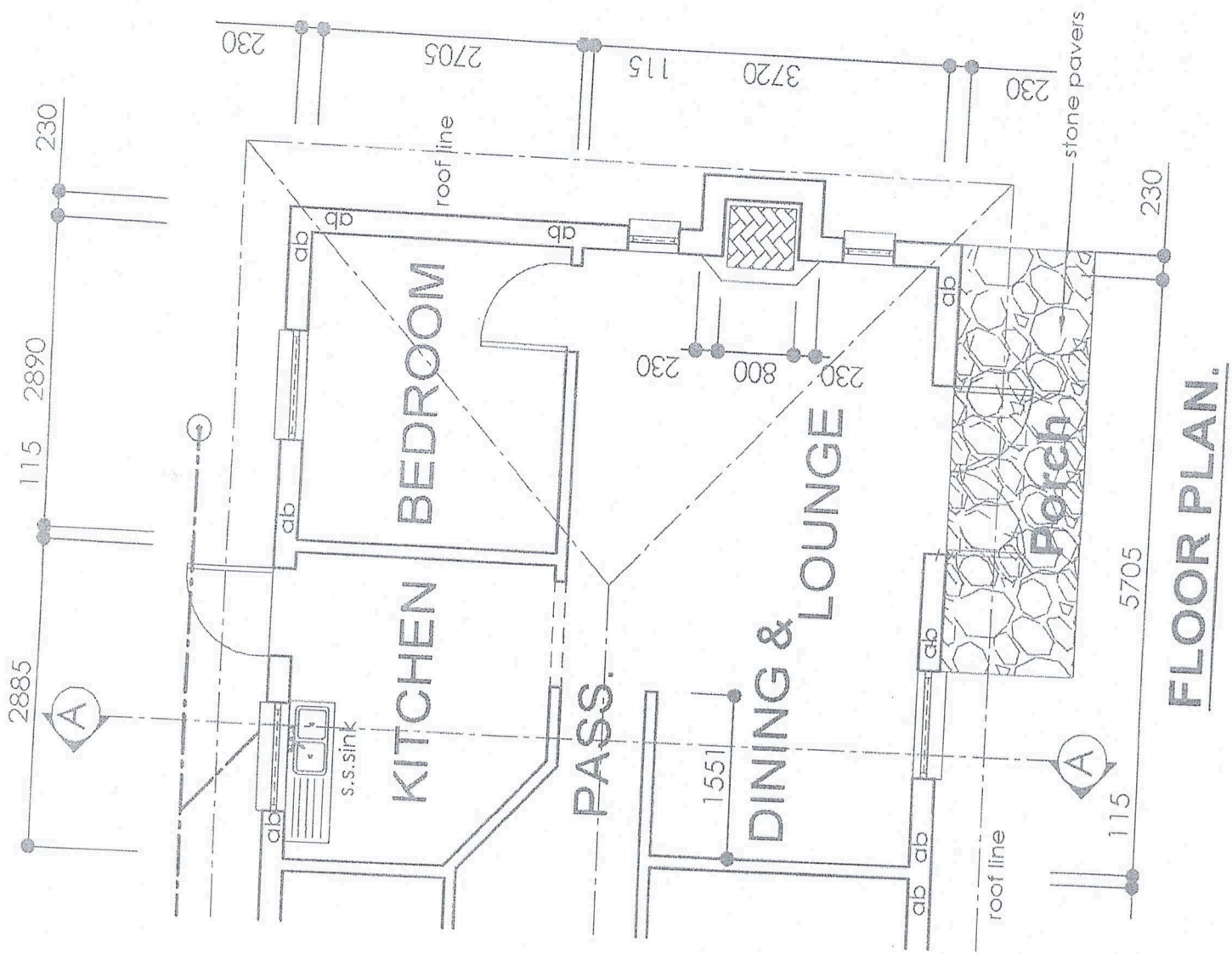
- kitchen
- bedroom
- dining cum lounge
- a porch

The dwelling has a hipped type roof with internal walls, 115mm and external 230mm.

With a scale 1:50 produce the same cottage showing all details that include:-

- (a) hatch patterns
- (b) proportional windows
- (c) good line work and proportional text and dimensions.

(60 marks)



FLOOR PLAN.

...../cn