

Problem statement

Mrs. Icilda Clark an elder lady from your church, house was recently burnt down to the ground due to an electrical fire. Members of the church donated and offer their services to help Mrs. Icilda to replace her home. The damage done by the fire has resulted in total destruction of Mrs. Icilda property and possession. Luckily for Mrs. Icilda the land in which the house was built is still in good condition and the soil is a mixture and mostly sand, silt and clay. As a member of Mrs. Icilda church you are assigned with the task of designing a suitable house to accommodate Mrs. Icilda and her family of three.

1. Design a three-bedroom dwelling for Mrs. Icilda family.

Design should include at least (3) sketches,

The working drawing should include the following drawing:

- ✓ Floor Plan;
- ✓ Foundation plan;
- ✓ At least two elevations;
- ✓ Sectional view;
- ✓ Roof plan;
- ✓ Sectional details of foundation
- ✓ Details of eaves, ridge and Valley for roof

Make a business plan for your architectural firm that will design Mrs. Icilda house

Part 2

Plain Geometry

Construct at least three drawing from each of the following topics

1. Plane figures With equivalent areas
2. Loci (engineering curves)
3. Reducing and enlarging plane figures

Solid Geometry

Construct at least three drawing from each of the following topics

1. Isometric Projection
2. Oblique Projection
3. Orthographic Projection

Research assignment

1. define the term occupational health and safety
2. define the term hazard
3. list at least six (6) hazards that exist in typical workshop and discuss preventive measure to reduce the likelihood of those hazard.
4. Discuss and give example of each types of the following fires
Types of fires:
 - (i) Class A;
 - (ii) Class B;
 - (iii) Class C;
 - (iv) Class D.
5. Explain the difference between Accident, injury and emergency.
6. In relation to International building standard what are the meaning of the following acronym
 - i. ANSI,
 - ii. ISO,
 - iii. BS standards.

NOTE**

- ❖ ***Assignment MUST be done in no less than 6 pages not including cover page and table of content***
- ❖ ***pictures should be used as visual aid for discussion***
- ❖ ***a cover page and table of content must be presented with assignment***