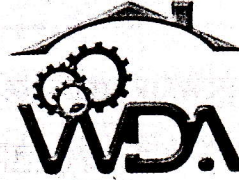


**CST - Finishing Works**

**T057**

**Thursday, 15/11/2012, AM**

**WORKFORCE DEVELOPMENT AUTHORITY**



**P.O. BOX 2707 Kigali, Rwanda Tel: (+250) 255113365**

**ADVANCED LEVEL NATIONAL EXAMINATIONS, 2012,  
TECHNICAL AND PROFESSIONAL TRADES**

**EXAM TITLE: FINISHING WORKS**

**OPTION: CONSTRUCTION (CST)**

**DURATION: 3HOURS**

**INSTRUCTIONS:**

This paper consists of **three** sections: A, B and C

Section A: All 18 questions are compulsory. **65marks**

Section B: Answer any **FOUR** questions **20marks**

Section C: Answer **ONE** question **15marks**

**SECTION A. ALL QUESTIONS ARE COMPULSORY. 65marks**

01. Highlight the four effects of noise. **4marks**
02. Show four advantages of thermal insulation on a building. **4marks**
03. Name and explain two ways through which heat transfer can occur. **4marks**
04. Explain the meaning of the following thermal properties: **4marks**
- a) Thermal conductivity
  - b) Thermal resistance
05. List down eight types of windows used in a building. **4marks**
06. Name eight materials used in making partition walls. **4marks**
07. Identify any four ingredients of oil borne paint and show briefly their purpose. **4marks**
08. Mention eight defects in painting. **4marks**
09. Discuss four qualities or requirements of a good plastering material. **4marks**
10. Explain the following defects in plastering: **4marks**
- a) Cracks
  - b) Flaking
  - c) Peeling
  - d) Uneven surface
11. Highlight four main causes of main defects in timber. **4marks**
12. Explain clearly the following woodwork measuring and marking out tools
- a) Marking knives
  - b) Craft knives
  - c) Marking gauge
  - d) Spirit levels

**4marks**







**SECTION C- CHOOSE AND ANSWER ANY ONE 1 QUESTION**

**15marks**

**24.** Draw clearly a standard door and label at least ten parts on your drawing.

**15marks**

**25.** Draw in sections the following mortar pointing joints

- a) Recessed pointing
- b) Beaded pointing
- c) Vee pointing
- d) Struck pointing
- e) Flush pointing

**15marks**

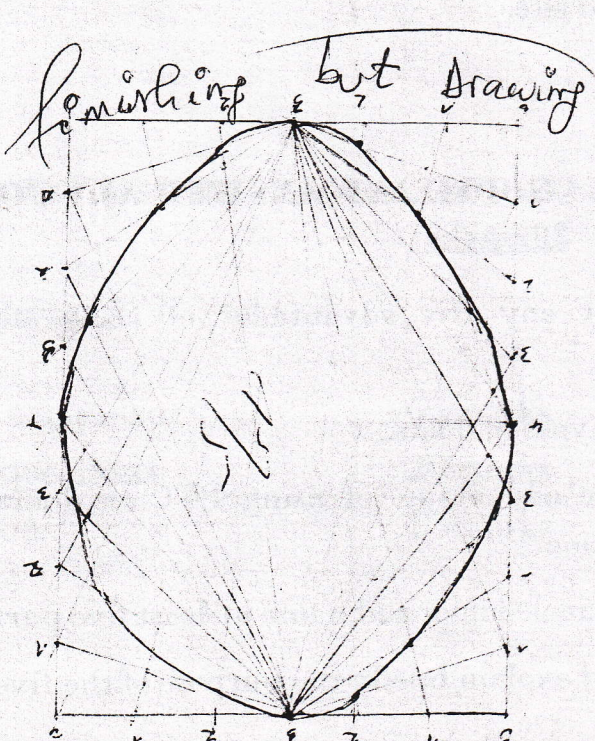
**26.** (a). With a good sketch, draw a section of a gable window and a 3 dimension of a dormer window (show them clearly fitted on a building).

**8marks**

(b). Draw a detailed corner window and show all the main parts. **7marks**



*Not for*



Designed by Elie 6<sup>th</sup> Cons B 2012