

**CST – Finishing, Fitting and
Wood Treatment**

T012

Thursday, 10/11/2016

08:30 – 11:30

WORKFORCE DEVELOPMENT AUTHORITY



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**ADVANCED LEVEL NATIONAL EXAMINATIONS, 2016,
TECHNICAL AND PROFESSIONAL STUDIES**

EXAM TITLE: Finishing, Fitting and Wood Treatment

OPTION: Construction (CST)

DURATION: 3hours

INSTRUCTIONS:

The paper is composed of **three (3) main Sections** as follows:

Section I: Fourteen (14) compulsory questions. 55 marks

Section II: Attempt any three (3) out of five questions. 30 marks

Section III: Attempt any one (1) out of three questions. 15 marks

Note:

Every candidate is required to carefully comply with the above instructions. Penalty measures will be applied on their strict consideration.

Section I. Fourteen (14) Compulsory questions**55marks**

01. List and explain two ways of protecting any masonry structure from water deterioration. **4marks**
02. State four ways of how windows lose and gain heat. **4marks**
03. Wood as the structural material, state its five advantages and five disadvantages. **5marks**
04. What is a file? **1mark**
05. List down the four basic methods of sawing. **2marks**
06. Explain in detail the term “sanitary fitting”. List two requirements of providing the number of sanitary fittings. **4marks**
07. Describe two problems in pointing, and then propose their solutions. **4marks**
08. Give five reasons explaining why a competent person is needed for scaffolding works. **5marks**
09. Describe four stages in preparing wood for finishing. **4marks**
10. Whenever the last step involves using sandpaper, you will leave dust on the wood. This dust must be cleaned off before applying a finish.
State four ways to remove that dust. **4marks**
11. List four tips to help you avoid getting glue on the wood. **4marks**
12. Give the four primary characteristics of Varnish. **4marks**
13. Illustrate five general steps of window installation. **5marks**
14. Give five main methods used in wood preservation. **5marks**

Section II. Choose and answer any three (3) questions.**30marks**

15. (A) Highlight eight Safety rules which are required for Safe Scaffolding Use & Erection in a building site. **8marks**
(B) Name the two most common materials used for scaffolding in Rwanda Construction Industry. **2marks**
16. Demonstrate your knowledge of a Cantilever Scaffolding with a sketched section and name SIX parts. **10marks**
17. Describe clearly FIVE advantages of a well insulated building with man-made thermal insulation. **10marks**
18. Discuss FIVE conditions which should be considered for halls possessing good acoustical properties. **10marks**
19. Highlight clearly FIVE key effects of Noise. **10marks**

Section III. Choose and answer any one (1) question.

15marks

20. With clear sketched sections, differentiate the following two types of scaffolding and name at-least SIX parts in each type.

- a) Single scaffolding
- b) Double scaffolding

21. Outline TEN most common technical terms in bricks and bricklaying. Give brief meaning of each term.

22. Name the following 15 parts of a standard door.

