

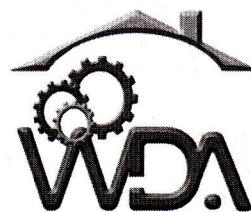
**CST – Finishing, Fitting and  
Wood Treatment**

**T016**

**Thursday, 23/11/2017**

**08:30 – 11:30 AM**

WORKFORCE DEVELOPMENT AUTHORITY



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**ADVANCED LEVEL NATIONAL EXAMINATIONS, 2017,  
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: Thirteen (13) compulsory** questions. **55 marks**

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

**Section III:** Attempt **any one (1)** out of two 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. Thirteen (13) Compulsory questions**

**55 marks**

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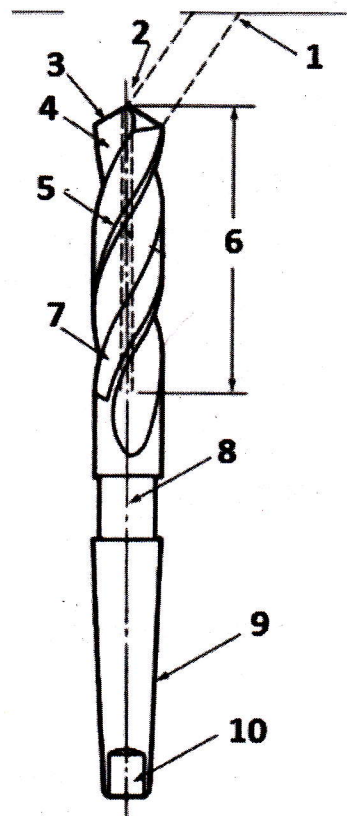
- 01.** With definitions differentiate epoxy grout, cement grout and cement mortar? **3 marks**
- 02.** For normal paint application, there are mainly three main components of paint, namely primer, undercoat and finishing coat. With clear definitions make a difference between them. **6 marks**
- 03.** List four typical masonry construction materials Rwandan construction industry. **2 marks**
- 04.** Give one example for each paint category as applied on internal and external walls of the building. **2 marks**
- 05.** Woods are classified in two groups Hardwoods and Softwoods, give two examples for each category. **4 marks**
- 06.** In few words what do you understand by Wood preservation? **2 marks**
- 07.** State Five requirements of a plaster in the hardened state. **5 marks**
- 08.** Discuss six aims of Soil paving. **6 marks**
- 09.** Carry out Five different flooring/paving materials used in Rwanda. **5 marks**
- 10.** Discuss any Five different types of pointing. **5 marks**
- 11.** List four ways the window loses and gains heat. **4 marks**
- 12.** Illustrate Five functions of a door. **5 marks**
- 13.** For normal paint application, there are mainly three main components of paint, namely primer, undercoat and finishing coat, with clear definitions differentiate them. **6 marks**

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

**30 marks**

14. Below is the graph showing parts of a twisted drill. Name all of them.

**10 marks**



15. There are many problems of plastering, with a clear table describe Five problems by illustrating its description, causes and Solution.

**10 marks**

16. In Ten points describe the way of surface preparation before and while laying tiles.

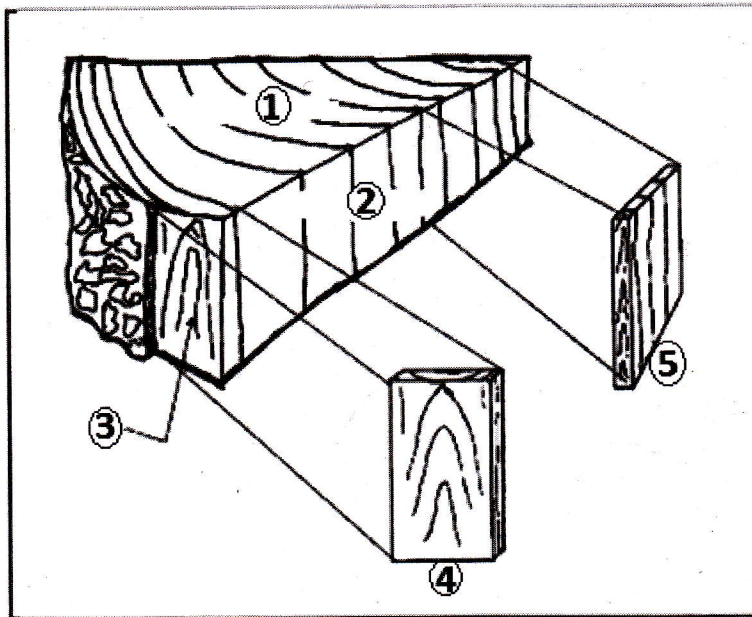
**10 marks**

17. While making the plaster, two procedures namely batching and mixing are involved. In short words describe each of them. **10 marks**

18. The figure below shows the structure planes of wood. Talk about its labeled parts (1 to 5).

10 marks

### Structural Planes of Wood



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

15 marks

19. Based on their application or use describe three types of tiles.

15 marks

20. Clearly describe the drill types below:

- a) Twist drill
- b) Low-helix twist drill
- c) High-helix twist drill
- d) Core drill
- e) Spade drill

15 marks