CST - Finishing Works T057

Thursday, 15/11/2012, AM

WORKFORCE DEVELOPMENT AUTHORITY



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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. 65 marks

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 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

4marks

d) Spirit levels

- 13. Sketch clearly any four of the following types of saws used in woodwork
 - a) Hand saw
 - b) Tenon saw
 - c) Dovetail saw
 - d) Coping saw
 - e) Fret saw

4marks

- (a). Name the two methods of seasoning or drying of wood used to reduce moisture content. 2marks
 - (b). Explain the difference between the two seasoning methods. 2marks
- 15. Mention any 8 wood working safety rules applied to avoid accidents.

4marks

Explain in clear words the meaning of a site manager.

lmark

- List at least four documents which can be found in a well managed site for documentation and record keeping purposes in general. 2marks
- Name at least four classifications of construction schedules in a well organized site. 2marks

SECTION B. CHOOSE AND ANSWER ANY FOUR 4 QUESTIONS 20marks

- 19. Highlight any five advantages of using steel windows over wooden windows. **5marks**
- 20. List ten types of doors.

5marks

- State five advantages of using PVC on doors and windows in building 21. construction. 5marks
- 22. Draw a paneled door and name at-least five parts.

5marks

Name and explain briefly the purpose of the five main sanitary fittings.

5marks

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

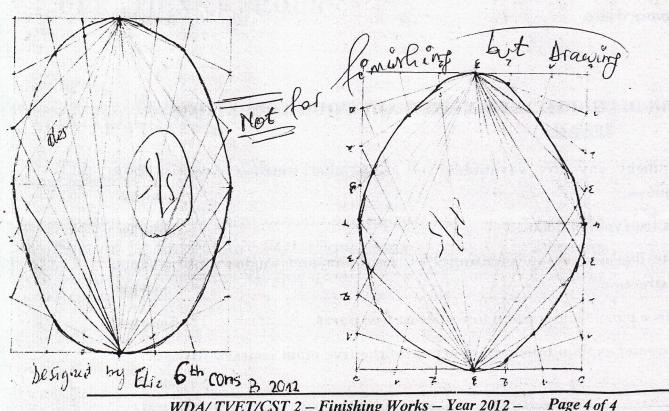
15marks

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



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