Enclosed are important instructions regarding practical exams.
CSA Standard W178.2 Level 1 & 2 Practical Examination
(Visual Inspection of Specimens)

www.cwbgroup.org | 1.800.844.6790
CSA Standard W178.2 Level 1 Practical Examination
Visual Inspection of Specimens

DAMAGE, MARKING OR MISUSE OF CWB PROPERTY WILL RESULT IN VIOLATION OF THE ACADEMIC CODE OF CONDUCT AND THE COST OF REPLACEMENT OF MATERIAL AND/OR EQUIPMENT

Examination Instructions:

Please read carefully the following instructions before beginning the examination. Failure to follow these instructions could result in a failing grade. The CWB assumes no responsibility for candidates who do not follow the examination instructions.

This examination consists of the evaluation of 5 test specimens.

The examination is intended to show your ability to:
- Identify common discontinuities associated with welds;
- If applicable, to measure the extent/size of the discontinuity;
- Assess the discontinuity against a generic welding standard.

Please note the following:
- All measurements must be recorded in metric units
- Measurements must be recorded as a single value. Answers given as a range may result in the loss of marks.
- Select only one observed discontinuity, or circle “No Discontinuity” if none found.
- Insignificant or very minor indications are to be disregarded
- Do not write on or mark or scribe the specimens in any way.
  - Any such actions will result in immediate failure of the examination and you could be held responsible for the costs to repair or replace the damaged specimens.
- The “Generic Welding Standard” provides requirements for weld and joint inspection and acceptance criteria. Please read this document carefully before inspecting or assessing any samples.

The following tools may be used during the examination:
- magnifying glass
- fillet weld gauges (supplied for exam)
- bridge cam gauge (supplied for exam)
- depth gauge
- scale / rule (supplied for exam)
- “hi-lo” gauge
- weld size gauge (supplied for exam)
- Mirror
- flashlight

Time Limit, Marking and Pass Mark:
- The time limit for the examination is 45 minutes
- The total marks available for the exam is 50 marks.
  - Total available marks are shown in parenthesis below each question.
  - Part marks may be awarded for partially correct answers
- A score of 70% is required to achieve a passing grade.
CSA Standard W178.2 Level 2 Practical Examination
Visual Inspection of Specimens

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• If applicable, to measure the extent/size of the discontinuity;
• Assess the discontinuity against a generic welding standard.

Please note the following:

• All measurements must be recorded in metric units
• Measurements must be recorded as a single value. Answers given as a range may result in the loss of marks.
• Select only one observed discontinuity, or circle “No Discontinuity” if none found.
• Insignificant or very minor indications are to be disregarded
• Do not write on or mark or scribe the specimens in any way.
  o Any such actions will result in immediate failure of the examination and you could be held responsible for the costs to repair or replace the damaged specimens.
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• Mirror
• flashlight

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  o Total available marks are shown in parenthesis below each question.
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