Construction Millwright (426A)
Exam Counselling Sheet

The Construction Millwright (426A) examination is based on the General Performance Objectives; the "Skill Sets" identified in the Training Standard Logbook for the trade. The Training Standard describes the skills and knowledge required to perform the duties of the trade. These standards and the examination were developed in consultation with representatives from the trade. The pass mark for the Ontario Certificate of Qualification exam is 70%.For more information on the Examination process and preparation go to: Exam Resources – Skilled Trades Ontario

Question Breakdown for each Category and/or Skill Set within the Apprenticeship Training Standard		
Category and Skill Set	**# of questions**	**% of questions**
Perform Common Occupational Skills	**20**	**22%**
Demonstrate Safe Working Practices and Procedures	7	8%
Interpret Drawings and Perform Mathematical Calculations	8	9%
Plan, Prepare and Set up for Job	1	1%
Select and use Materials and Fasteners	4	4%
Use Tools and Equipment	**14**	**16%**
Use Hand and Power Tools	7	8%
Operate and Maintain Precision Measuring Equipment	7	8%
Perform Rigging, Hoisting/Lifting and Moving	**10**	**11%**
Rig and Hoist	10	11%
Perform Fabrication	**7**	**8%**
Weld, Braze and Solder	7	8%

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Install and Service Mechanical Power Transmission Systems	**12**	**13%**
Select and Apply Lubricants	2	2%
Install and Maintain Power Transmission Systems	8	9%
Install, Commission and Maintain Machinery and Automated Robotic Systems	2	2%
Install and Service Material Handling/Process Systems	**15**	**17%**
Install and Maintain Material Handling Systems	9	10%
Install and Maintain Bearings, Seals and Packing	5	6%
Install and Maintain Fans and Blowers	1	1%
Install and Service Fluid Power Systems	**6**	**7%**
Install and Maintain Pneumatic Systems	3	3%
Install and Maintain Hydraulic Systems	3	3%
Install and Service Power Generation Equipment	**3**	**3%**
Install and Maintain Power Generation Equipment	3	3%
Perform Preventative and Predictive Maintenance	**3**	**3%**
Perform Preventive and Predictive Maintenance	3	3%
Total	**90**	**100%**

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Additional Information to Support Exam Candidates
Types of Exam Questions

All Provincial Certificate of Qualification (C of Q) exam questions in Ontario are written in multiple-choice format.

A multiple-choice question consists of question followed by 4 possible responses (A, B, C, D). Every question has one correct answer and three incorrect options. While there are no misleading or trick questions, the incorrect options are plausible but incorrect.

There are three types of questions that you will see on Provincial Certificate of Qualification Exams:

- Knowledge and Recall
- Procedural and Application
- Critical Thinking

Knowledge and Recall (Taxonomy 1)

This type of question tests your ability to recall and understand definitions, facts and principles.

For this trade, 42% of questions are this type.

Sample Knowledge and Recall Question:

What is the percentage range of carbon in tool steel?

A. 0.05 - 0.30
B. 0.30 - 0.60
C. 0.60 - 1.40
D. 1.50 - 4.50

Answer: D

Procedural and Application (Taxonomy 2)

This type of question tests your ability to apply your knowledge of procedures to a situation.

For this trade, 35% of questions are this type.

Sample Procedural and Application Question:

A 0.749 in. internal diameter bearing race is fitted onto a 0.750 in. outside diameter shaft. What is done?

A. Place bearing against shaft and push on by hand.
B. Place bearing against shaft and force on with hammer.
C. Place heated bearing against shaft and slide on by hand.
D. Place heated bearing against shaft and press on outer race to seat.

Answer: C

Critical Thinking (Taxonomy 3)

This type of question tests your ability to interpret data, solve problems and arrive at valid conclusions.

For this trade, 23% of questions are this type.

Sample Critical Thinking Question:

A seized bearing reduced the diameter of a line shaft. What is done to permanently correct the problem with a new bearing replacement?

A. Weld bearing to damaged area shaft.
B. Knurl damaged area to fit new bearing.
C. Apply a liquid fastener to damaged area.
D. Build up shaft and machine to original diameter.

Answer: D