

Advanced Skills Assessment Blueprint

Mechanical and Fluid Power Maintenance

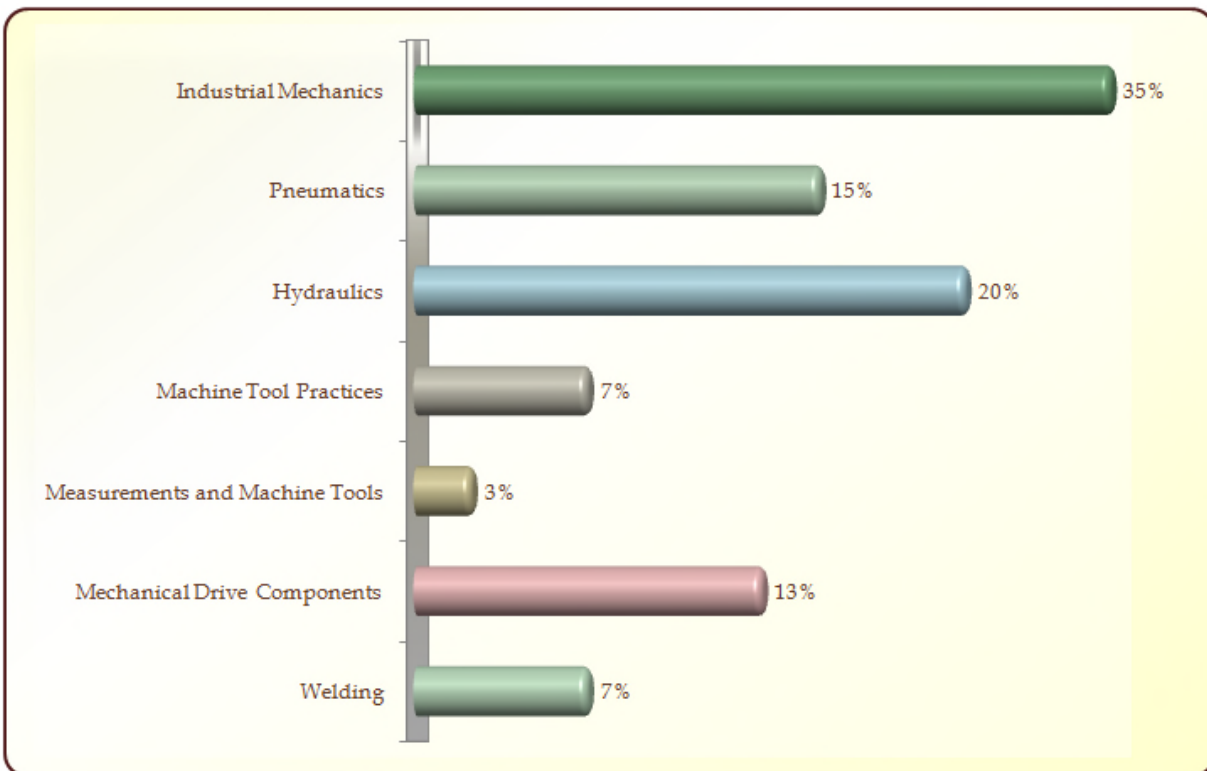


Written Assessment:

Administration Time: 3 hours

Number of Questions: 150

Areas Covered:



Sample Questions:

When using a nut, bolt, flat washer, and lock washer in assembly work, where should the lock washer be positioned?

- A. next to the head of the bolt
- B. between the flat washer and the part
- C. between the nut and the flat washer
- D. the position of the lock washer is irrelevant

Roller chain couplings are usually lubricated with

- A. a light grease
B. a heavy oil
C. a heavy grease
D. a light oil

The purpose of a counterbalance valve is which of the following?

- A. to maintain control of a vertical cylinder to prevent it from descending due to gravity
- B. to balance the pressure in two parts of a system
- C. to balance the flow rates
- D. none of the above

A hydraulic directional control valve

- A. conditions fluid
- B. cools fluid
- C. starts, stops, or changes direction of fluid
- D. drains fluid

The maximum allowable gap between the face of the wheel and the tool rest on a pedestal grinder is

- A. $\frac{1}{8}$ inch
B. $\frac{1}{16}$ inch
C. $\frac{1}{32}$ inch
D. $\frac{1}{4}$ inch

