

Advanced Skills Assessment Blueprint

Mechanical Systems

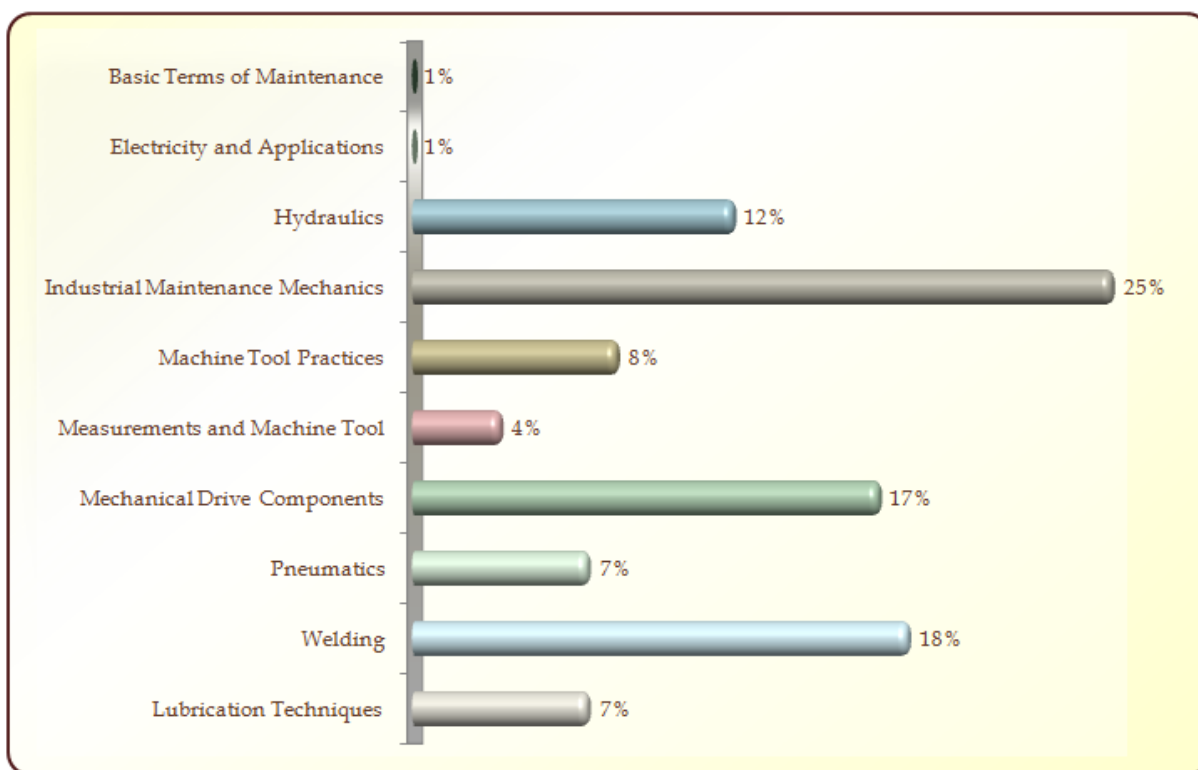


Written Assessment:

Administration Time: 3 hours

Number of Questions: 160

Areas Covered:



Sample Questions:

Hydraulic energy is primarily directed and controlled by

- A. cylinders
- B. electricity
- C. pumps
- D. valves

Why are wear strips used in high-speed manufacturing operations?

- A. reduce wear on costly machine parts
- B. help a machine to wear evenly
- C. compensate for machine wear
- D. reinforce parts that are fragile

When machining a rectangular part on a milling machine, to finish the third side, the first machined side must be placed in the vise against

- A. the moveable jaw
- B. the solid jaw
- C. the base
- D. a pair of parallels

Abrasive cutoff saws separate material by grinding. This makes them valuable for cutting

- A. nonferrous metals
- B. extremely tough or hardened material
- C. internal contours
- D. external radii

At each pneumatic work station, the proper sequence of components is which of the following?

- A. lubricator-regulator-filter
- B. regulator-lubricator-filter
- C. filter-regulator-lubricator
- D. lubricator-filter-regulator

