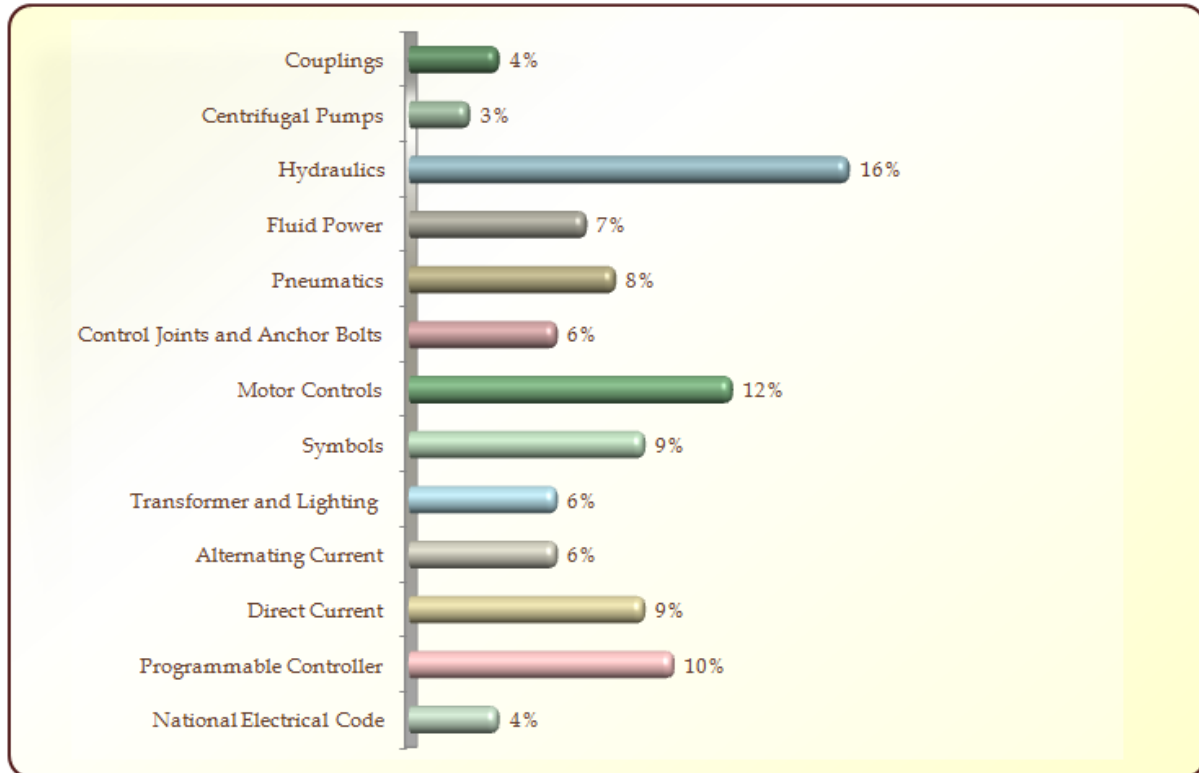


## Written Assessment:

Administration Time: 3 hours

Number of Questions: 145

### Areas Covered:



## Sample Questions:

The seal in a centrifugal pump may be necessary to prevent

- A. fluid from leaking out around the shaft
- B. fluid from leaking out around the flange
- C. air from leaking into the pump
- D. both A and C

Which of the following pump types does not have a variable displacement feature?

- A. gear type
- B. vane type
- C. piston type
- D. none of the above

Whenever you are replacing a solenoid, you should

- A. be certain that the spool in the valve is shifting freely
- B. wait until the fluid in the system has cooled to the normal operating temperature before testing
- C. watch the indicator lights to be certain that the solenoid is shifting in the valve properly
- D. check the resistance of the coil with a meter to be certain that the problem is not in the system's wiring

The valve type that should be used to control a single-acting cylinder is

- A. a two-way
- B. a three-way
- C. a four-way
- D. any of the above

Even when a PC is powered down, you could receive a potentially dangerous shock inside the controller from the

- A. input modules
- B. capacitors
- C. field wiring
- D. bus cables

