

Quiz 44

1. Any leakage occurring through the surfaces of a mechanical seal will:

- a. not be visible to the operator
- b. result in an audible sound and be readily noticed
- c. be indicated by pump vibrations
- d. be axial to the shaft
- e. be radial to the shaft

2. Centrifugal pumps convert rotating mechanical energy into kinetic energy then:

- a. discharge the kinetic energy
- b. back to mechanical energy
- c. absorb the energy
- d. into potential energy in the form of pressure
- e. into centrifugal force

3. Flexible couplings will compensate for:

- a. overheating of packing
- b. axial shaft misalignment
- c. bearing failure
- d. shaft eccentricity due to a badly bent shaft
- e. Impeller imbalance

4. A compression-type pump packing:

- 1. prevents air from entering the pump
 - 2. reduces the maintenance cost on pumps
 - 3. protects the shaft from scoring and corrosion
 - 4. is used with all mechanical seals
- a. 1
 - b. 2, 3
 - c. 2, 3, 4
 - d. 1, 2
 - e. 1, 3

5. If a pump is running and has no discharge pressure, then:

- a. close the suction valve a little
- b. open the lubrication valve
- c. check the lubricant level
- d. check to see if the suction valve is open
- e. close the discharge valve

6. If a stuffing box is to prevent the ingress of air, it is equipped with a/an:

- a. vacuum breaker
- b. seal cage
- c. bushing
- d. thrust collar
- e. anti air siphon

Quiz 44 Answers:

1 = e, 2 = d, 3 = b, 4 = d, 5 = d, 6 = b