

## STEAM DISTRIBUTION AND UTILIZATION

Test your knowledge on steam distribution and utilization through this quiz with ten multiple choice questions.

Name: \_\_\_\_\_

Organization: \_\_\_\_\_

Date: \_\_\_\_\_

### 1. For industrial process heating, the best quality steam is

- a. Dry saturated steam
- b. Wet steam
- c. Superheated steam
- d. High pressure steam

### 2. What type of steam is generally used for power generation?

- a. High pressure steam with super heat
- b. Dry saturated high pressure steam
- c. Dry saturated low pressure steam
- d. Wet steam with very high pressure

### 3. Indirect steam heating makes use of the following heat

- a. Sensible heat
- b. Latent heat
- c. Specific heat
- d. All of the above

### 4. Which steam trap operates based on the difference in temperature between steam and condensate

- a. Thermodynamic trap
- b. Thermostatic trap
- c. Orifice type trap
- d. Float trap

**5. In industrial applications the type of trap used for main steam lines are**

- a. Thermodynamic
- b. Thermostatic
- c. Bimetallic
- d. Float

**6. Which type of insulation is more economic or energy efficient for steam pipelines carrying saturated steam?**

- a. Fiber bricks
- b. Ceramic fiber
- c. Calcium silicate
- d. Glass wool

**7. The equipment used to remove dirt from steam lines before steam trap is**

- a. Vent
- b. Drain
- c. Strainer
- d. By pass line

**8. Proper sizing of steam pipelines helps to minimize**

- a. Steam requirement
- b. Temperature drop
- c. Boiler efficiency
- d. Pressure drop

**9. The quantity of flash steam available depends upon**

- a. Condensate pressure and flash steam pressures
- b. Pressure of steam generated in the boiler
- c. Steam enthalpy at atmospheric pressure
- d. Total heat of flash steam

**10. Which of the following is a way to minimize waterhammer?**

- a. Installing steam lines with a gradual fall in the direction of flow, and with drain points
- b. Installing check valves after all steam traps
- c. Opening isolation valves slowly to allow any condensate to flow gently through the drain traps
- d. All of the above

*Test your knowledge: Steam Distribution and Utilization*

<b>ANSWERS</b>				
1. a	2. a	3. b	4. b	5. a
6. d	7. c	8. d	9. a	10. d