

Name: **SOLUTION**

Reg. No: _____

1. Which of the following is a desirable characteristic of an instrument?

- a) **High fidelity**
- b) High drift
- c) High measuring lag
- d) Poor reproducibility

2. Which of the following temperature measuring instruments need not touch the object whose temperature is being measured?

- a) Filled system thermometer
- b) **Radiation/infrared pyrometer**
- c) Mercury in glass thermometer
- d) Thermo electric pyrometer

3. The temperature of tempering oil baths maintained at 400°C during heat treatment of steel is measured by a/an _____.

- a) Thermistor
- b) Infrared pyrometer
- c) **Iron-constantan thermocouple**
- d) RTD

4. LVDTs are generally more accurate than potentiometers for the same measured displacement

True

5. Which of the following pairs of temperature measuring devices work by basically the same principle?

- a) **RTD and thermistor**
- b) thermocouple and RTD
- c) bimetallic strip and thermistor
- d) infrared pyrometer and thermocouple
