

## **Tutorial 5 questions to solve:**

1. If you are provided with mercury and water at the same time to use one of them in a manometer fabrication, which one will you use as a fluid in your fabrication. Give explanation in support of your chosen fluid.
2. How the static and dynamic pressure influence water flow mechanism in in a water tank?
3. “Controlling the gauge and absolute pressures helps extend the food's shelf life by creating an environment hostile to spoilage mechanisms.” Explain the statement.
4. Write down the reasons of monitoring differential pressure in water systems within high-rise buildings to ensure proper water distribution