**Specific gravity of fine aggregates**

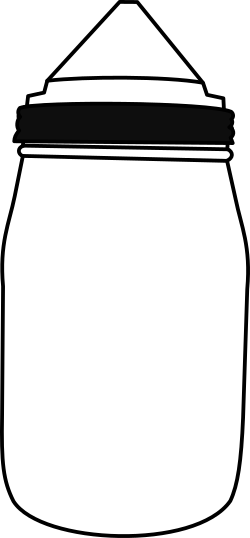
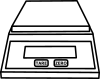
**Objective**

To determine the specific gravity of fine aggregate using pycnometer.

**Apparatus used**

Pycnometer, weighing balance, glass rod etc.

**STEP:❶** Take empty weight of pycnometer along with its cap.

**STEP:➋** Open the cap to fill one third of pycnometer with fine aggregate and weigh the pycnometer with aggregate.

**STEP:➌** Add water to pycnometer upto the brim level and shake it well to remove air bubbles. Then weigh it using weigh balance.

**STEP:➍** Empty the pycnometer and fill water upto brim. Weigh the pycnometer.

**STEP:➎** Repeat the same procedure for further trials.

Observations:

Empty weight of pycnometer (W1) = \_\_\_\_\_ gm

Weight of pycnometer + 1/3rd of fine aggregate (W2) = \_\_\_\_\_ gm

Weight of pycnometer + 1/3rd of fine aggregate +water (W3) = \_\_\_\_\_ gm

Weight of pycnometer + water (W4) = \_\_\_\_\_ gm

Specific gravity of fine aggregate = \_\_\_\_\_\_