



Federal Board SSC Practical Examination  
Name of subject **Plumbing and Solar  
Water Heating System**  
Model Question Paper

Time Allowed: \_\_\_\_\_

Total Marks: 90

**Written Examination (10)**

- Q.1 State the procedure of cutting and filling G-I pipe. (5)  
**OR**  
State the procedure of installation of sink.
- Q.2 State procedure for installation of gas geyser. (5)  
**OR**  
State the procedure of installing auto controls.

**Practical Exam (60)**

- Q.3 Lay out a bath of size 6' × 6' and draw sanitary and water supply. Symbols used in this bath. (15)  
**OR**  
Perform threading on G-I pipe ½", ¾" and 1" size with threading die.
- Q.4 Prepare a piece of G-I pipe any (available size) 12" long with both end threading including cutting and reaming. (15)
- Q.5 Prepare house service line with main water supply line using socket clamp, gasket, ferule, valve and required fitting. (15)  
**OR**  
Draw and mark layout of solar water heating system with its all parts.
- Q.6 Calculate the requirement of solar water heater for four number family. (15)

**Viva Voce (20)**