Note: Attempt all questions.

1. Draw a free hand sketch of a nose plier used in electronics repair work.

2. Draw the Symbols (as per IEEE or IEC standard) of the following:
   a. (i) Trimmer capacitor  (ii) Variable resistor (6)
   b. (i) Step-down Transformer  (ii) Generator (iii) Ammeter (12)
   c. (i) Triac  (ii) Rectifier (iii) ammeter (8)

3. a. Draw the symbol of i. R S Flip-Flop  ii. Half subtractor (6)
   b. Draw the symbol of a decoder IC. (6)

4. Draw the IC pin-out diagram for a 555 timer IC (8 pin). (4)

5. Draw the schematic diagram of a simple +5V power supply using a Regulator or IC. (7)

6. Draw the schematic diagram of a Wien Bridge oscillator. (7)

7. Draw the Block Diagram of an LED TV. (7)

8. Draw the Block Diagram of an AC Drive. (7)

9. Draw the Front panel drawing of an IC Tester. (10)

10. Draw the diagram of an LVDT. (14)

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