TRADE TEST OF CRAFT INSTRUCTOR
MODULAR PATTERN
(JANUARY-2013)

GROUP NO: VII
TRADE: ELECTRONICS MECHANIC/MECHANIC RADIO
AND TV / IT & ESM
MODULE: ENGINEERING TECHNOLOGY
SUBJECT: ENGINEERING DRAWING

TIME: 4 HRS.
MARKS: 125

1. Answer Any Three questions. (3x10=30)
   i) a) Draw the symbols of Crystal, Op-am, SCR, AND gate DFF,
       b) Draw any five material symbols
   ii) Draw the cross section of any cell
   iii) Draw the front panel of IC tester
   iv) Draw flow chart (use all symbols)
   v) Draw free hand sketch of universal plier.

2. Answer Any Two questions. (2x15=30)
   i) a) Draw circuit diagram of single stage common emitter amplifier.
       b) Show the input and output wave forms when 1 kHz applied to the CE amplifier.
   ii) Draw the circuit diagram of two in put TTL NAND gate and show the truth table.
   iii) Draw the block diagram of a TRF receiver and show the wave forms.

3. Draw the 8085 micro processor’s functional block diagram (15)

4. Draw the orthographic view in 3rd angle projection for the object given below. (50)

All dimensions are in mm.