TRADE TEST FOR CRAFT INSTRUCTOR
(MODULAR PATTERN)
OCTOBER – 2012

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

TIME: 4 HRS.
MARKS: 125

I) Answer Any Three questions. (3x10=30)
   i) Draw the symbols of the following and mark the leads with 4 mm inclined upper case letters –
   ii) Draw output characteristics of CE configuration. Draw DC load line and mark Q point and all regions.
   iii) Draw correct and incorrect way of making dimension and other details by considering an object drawing.
   iv) Draw free hand sketches of Wire gauge and Tweezer.
   v) Draw a cross section view of CRT.

II) Answer Any Two questions. (2x15=30)
   i) Draw the following OP-amp circuits
      a) Integrator b) Adder c) Inverting Amplifier
   ii) Draw the circuit diagram of IC Amplifier. Table all component values.
   iii) Draw the block diagram of Satellite Commutation System.

III) Draw the architecture of 8051 microcontroller. (15)

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