(1) **Draw the free hand sketch of:**
   (i) Universal Plier  
   (ii) Hexagonal Nut with Screw

(2) **Draw the circuit diagram of Any Three of the following:**
   (i) Bistable Multivibrator  
   (ii) Class B pushpull Amplifier  
   (iii) Logic diagram of Half Adder  
   (iv) Circuit diagram of Q meter  
   (v) Electronic Tuner

(3) **Answer Any Two of the following:**
   (a) Block diagram of a colour TV transmitter.  
   (b) Draw the 3-phase bridge Rectifier circuit  
   (c) Draw the bandwidth of a vestigial transmission and show all important details  
   (d) Block diagram of a Tap Recorder.

(4) **Draw the Plan, Elevation in 3rd angle projection for the object given below:**

All dimensions are in mm.