

HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN

B.E. SECOND YEAR

ELECTRONICS & COMMUNICATION

(In Force June 2006)

SEMESTER - III

EC 306: ELECTRONIC WORKSHOP PRACTICE

Teaching Scheme		Examination Scheme				
Theory Hrs.	Practical Hrs.	Theory Hrs.	Theory Marks	Pract./ Viva Marks	Term Work Marks	Total Marks
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SYLLABUS

1. Introductory study of resistance color code, Tolerance, wattage rating, Potentiometer - Linear and log, Preset, Capacitance, Paper, Electrolytic Mica, Ceramic, Trimmer, Gang, Color code for capacitance, Inductance, Air core, Iron core.
2. Simple PCB-design, Etching process, Soldering techniques, Chasis preparation.
3. Study of Operations of CRO, Digital Storage Oscilloscope, Function Generator, Multimeter, etc.
4. Usage of Tool kits, Data books etc.

Each student shall be required to build (Solder) given circuit, Consist of various active and passive elements.