

GUJARAT UNIVERSITY

M.Sc (ELECTRONIC SCIENCE) SEMESTER-I

Revised with effect from June-2018

ELE-405 PRACTICALS

LIST OF PRACTICAL

1. Astable multi-vibrator using OP-AMP.
2. R-C Phase Shift Oscillator using OP-AMP.
3. Schmitt Trigger using OP-AMP.
4. Non linear characteristics of OP-AMP.
5. Active Filter using OP-AMP Notch Filter, Narrow Band Pass Filter.
6. Hall Effect
7. Transistorized mixer circuit.
8. Counter using microprocessor I HEX UP/DOWN Counter MOD 10.
9. Microprocessor-8085 Experiment II.(Traffic Signal Controller)
10. Microprocessor-8085 Experiment III. Peripheral 8155
11. ExpEyes based experiments-I
12. ExpEyes based experiments-II
13. Study of IC 733 Amplifiers.
14. Study of IC 3900 Amplifiers.
15. PLL application AM/FM demodulator.

15% of new experiments can be introduced AND/OR replaced as per the need, with the permission of the Head. Total of at least 10 Experiments to be done.

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ELE-406 PROJECTS.

GUJARAT UNIVERSITY

M.Sc (ELECTRONIC SCIENCE) SEMESTER-II

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ELE-411 PRACTICALS

LIST OF PRACTICAL

1. Microprocessor 8086-I
2. Microprocessor 8086-II
3. PPM.
4. PWM.
5. Microwave Guide Wavelength.
6. Microcontroller –I (7 Segment Display).
7. Microwave-II (Mode Characteristics).
8. Microcontroller -II(Add and Multiplication).
9. Microcontroller –III (Duty Cycle).
10. C-programming-I.
11. C-programming-II.
12. C-programming-III.
13. Optoelectronic Devices Characteristics-I.
14. Optoelectronic Devices Characteristics-II.
15. PLL application frequency multiplier.

15% of new experiments can be introduced AND/OR replaced as per the need, with the permission of the Head. Total of at least 10 Experiments to be done.

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M.Sc (ELECTRONIC SCIENCE) SEMESTER-II

Revised with effect from June-2018

ELE-412 PROJECTS.