

## LAB SCHEDULE

**Name of the dept.** : ECE **class** : II – II , ECE-A  
**Lab name** : AC LAB **year** : 2015-16

### LIST OF EXPERIMENTS

1. AM – Modulation and Demodulation.
2. AM - DSB SC - Modulation and Demodulation.
3. FM - Modulation and Demodulation.
4. Diode Detector
5. AGC Circuits
6. PLL & FM Demodulation using PLL.
7. Sampling Theorem
8. PAM - Modulation and Demodulation.
9. PWM - Modulation and Demodulation.
10. PPM - Modulation and Demodulation.

### ADDITIONAL EXPERIMENT

- 1.Pre-emphasis & De-emphasis

| Sl.No | Date & Session    | Ex.1                    | Ex.2    | Ex.3    | Ex.4    | Ex.5    | Ex.6 | Ex.7 | Ex.8 | Ex.9 | Ex.10 |
|-------|-------------------|-------------------------|---------|---------|---------|---------|------|------|------|------|-------|
| 1     | 22-12-15<br>(A.N) | Demo on all experiments |         |         |         |         |      |      |      |      |       |
| 2     | 08-01-16<br>(F.N) | Demo on all experiments |         |         |         |         |      |      |      |      |       |
| 3     | 29-12-15<br>(A.N) | B1,B6                   | B2,B7   | B3,B8   | B4,B9   | B5,B10  |      |      |      |      |       |
| 4     | 22-01-16<br>(F.N) | B11,B16                 | B12,B17 | B13,B18 | B14,B19 | B15,B20 |      |      |      |      |       |
| 5     | 05-01-16<br>(A.N) | B2,B7                   | B3,B8   | B4,B9   | B5,B10  | B1,B6   |      |      |      |      |       |
| 6     | 29-01-16<br>(F.N) | B12,B17                 | B13,B18 | B14,B19 | B15,B20 | B11,B16 |      |      |      |      |       |
| 7     | 19-01-16<br>(A.N) | B3,B8                   | B4,B9   | B5,B10  | B1,B6   | B2,B7   |      |      |      |      |       |
| 8     | 05-02-16<br>(F.N) | B13,B18                 | B14,B19 | B15,B20 | B11,B16 | B12,B17 |      |      |      |      |       |
| 9     | 02-02-16<br>(A.N) | B4,B9                   | B5,B10  | B1,B6   | B2,B7   | B3,B8   |      |      |      |      |       |
| 10    | 12-02-16<br>(F.N) | B14,B19                 | B15,B20 | B11,B16 | B12,B17 | B13,B18 |      |      |      |      |       |
| 11    | 09-02-16<br>(A.N) | B5,B10                  | B1,B6   | B2,B7   | B3,B8   | B4,B9   |      |      |      |      |       |

|    |                   |  |         |         |         |         |                       |         |         |         |         |
|----|-------------------|--|---------|---------|---------|---------|-----------------------|---------|---------|---------|---------|
| 12 | 19-02-16<br>(F.N) | B15,B20  | B11,B16 | B12,B17 | B13,B18 | B14,B19 |                       |         |         |         |         |
| 13 | 16-02-16<br>(A.N) |  |         |         |         |         | B1,B6                 | B2,B7   | B3,B8   | B4,B9   | B5,B10  |
| 14 | 26-02-16<br>(F.N) |  |         |         |         |         | B11,B16               | B12,B17 | B13,B18 | B14,B19 | B15,B20 |
| 15 | 01-03-16<br>(A.N) |  |         |         |         |         | B2,B7                 | B3,B8   | B4,B9   | B5,B10  | B1,B6   |
| 16 | 11-03-16<br>(F.N) |  |         |         |         |         | B12,B17               | B13,B18 | B14,B19 | B15,B20 | B11,B16 |
| 17 | 15-03-16<br>(A.N) |  |         |         |         |         | B3,B8                 | B4,B9   | B5,B10  | B1,B6   | B2,B7   |
| 18 | 25-03-16<br>(F.N) |  |         |         |         |         | B13,B18               | B14,B19 | B15,B20 | B11,B16 | B12,B17 |
| 19 | 22-03-16<br>(A.N) |  |         |         |         |         | B4,B9                 | B5,B10  | B1,B6   | B2,B7   | B3,B8   |
| 20 | 01-04-16<br>(F.N) |  |         |         |         |         | B14,B19               | B15,B20 | B11,B16 | B12,B17 | B13,B18 |
| 21 | 12-04-16<br>(A.N) |  |         |         |         |         | B5,B10                | B1,B6   | B2,B7   | B3,B8   | B4,B9   |
| 22 | 15-04-16<br>(F.N) |  |         |         |         |         | B15,B20               | B11,B16 | B12,B17 | B13,B18 | B14,B19 |
| 23 | 19-04-16<br>(A.N) | Revision and Additional experiments ( B1-B10)  |         |         |         |         |                       |         |         |         |         |
| 24 | 22-04-16<br>(F.N) | Revision and Additional experiments ( B11-B20) |         |         |         |         |                       |         |         |         |         |
| 25 | 26-04-16<br>(A.N) | B1-B10 Internal exam                           |         |         |         |         |                       |         |         |         |         |
| 26 | 29-04-16<br>(F.N) |  |         |         |         |         | B11-B20 internal exam |         |         |         |         |

**Note: Session Indicates 3 (or) 4 Periods**

**B1 to B20 are batches and each batch contains 3 to 4 members**