

## **LAB SCHEDULE (AR13)**

**Name of the dept.** : ECE

**class** : I – I, ECE-C

**Lab name** : ENGINEERING CHEMISTRY LAB

**year** : 2014-15

### **LIST OF EXPERIMENTS**

1. Determination of acid number of given lubricating oil.
2. Determination of Kinematic Viscosity of a given oil sample by using Viscometer
3. Determination of Dissolved Oxygen present in the given water sample by Modern Winkler's Method.
4. Determination of Total Hardness of water sample by using EDTA Method.
5. Estimation of Viscosity of an Organic Solvent by using Ostwald Viscometer
6. Determination of Strength of a strong acid by pH metric Method.
7. Conduct metric determination of Strength of an Acid using strong base.
8. Determination of flash and fire point by Cleveland's apparatus.
9. Colorimetric determination of Iron (III).
10. Preparation of phenol-formaldehyde resin

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	07-10-2014 (F.N)	B1,B6	B2,B7	B3,B8	B4,B9	B5,B10					
2	09-10-2014 (F.N)	B11,B16	B12,B17	B13,B18	B14,B19	B15,B20					
3	15-10-2014 (F.N)	B2,B7	B3,B8	B4,B9	B5,B10	B1,B6					
4	16-10-2014 (F.N)	B12,B17	B13,B18	B14,B19	B15,B20	B11,B16					
5	22-10-2014 (F.N)	B3,B8	B4,B9	B5,B10	B1,B6	B2,B7					
6	27-10-2014 (F.N)	B13,B18	B14,B19	B15,B20	B11,B16	B12,B17					
7	29-10-2014 (F.N)	B4,B9	B5,B10	B1,B6	B2,B7	B3,B8					
8	05-11-2014 (F.N)	B14,B19	B15,B20	B11,B16	B12,B17	B13,B18					
9	13-11-2014 (F.N)	B5,B10	B1,B6	B2,B7	B3,B8	B4,B9					
10	17-11-2014 (F.N)	B15,B20	B11,B16	B12,B17	B13,B18	B14,B19					
11	20-11-2014 (F.N)						B1,B6	B2,B7	B3,B8	B4,B9	B5,B10
12	26-11-2014 (F.N)						B11,B16	B12,B17	B13,B18	B14,B19	B15,B20
13	03-12-2014 (F.N)						B2,B7	B3,B8	B4,B9	B5,B10	B1,B6
14	17-12-2014 (F.N)						B12,B17	B13,B18	B14,B19	B15,B20	B11,B16
15	18-12-2014 (F.N)						B3,B8	B4,B9	B5,B10	B1,B6	B2,B7
16	24-12-2014 (F.N)						B13,B18	B14,B19	B15,B20	B11,B16	B12,B17
17	26-12-2014 (F.N)						B4,B9	B5,B10	B1,B6	B2,B7	B3,B8

18	31-12-2014 (F.N)						B14,B19	B15,B20	B11,B16	B12,B17	B13,B18
19	06-01-2015						B5,B10	B1,B6	B2,B7	B3,B8	B4,B9
20	07-01-2015						B15,B20	B11,B16	B12,B17	B13,B18	B14,B19
21	10-01-2015	B1-B10 Internal exam									
22	14-01-2015						B11-B20 internal exam				

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

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