

## **LAB SCHEDULE (AR13)**

**Name of the dept.** : ECE **class** : I – I, ECE-B  
**Lab name** : ENGINEERING CHEMISTRY LAB **year** : 2013-14

### **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	14-10-2013 (F.N)	B1,B6	B2,B7	B3,B8	B4,B9	B5,B10					
2	18-10-2013 (F.N)	B11,B16	B12,B17	B13,B18	B14,B19	B15,B20					
3	21-10-2013 (F.N)	B2,B7	B3,B8	B4,B9	B5,B10	B1,B6					
4	25-10-2013 (F.N)	B12,B17	B13,B18	B14,B19	B15,B20	B11,B16					
5	28-10-2013 (F.N)	B3,B8	B4,B9	B5,B10	B1,B6	B2,B7					
6	01-11-2013 (F.N)	B13,B18	B14,B19	B15,B20	B11,B16	B12,B17					
7	04-11-2013 (F.N)	B4,B9	B5,B10	B1,B6	B2,B7	B3,B8					
8	15-11-2013 (F.N)	B14,B19	B15,B20	B11,B16	B12,B17	B13,B18					
9	18-11-2013 (F.N)	B5,B10	B1,B6	B2,B7	B3,B8	B4,B9					
10	22-11-2013 (F.N)	B15,B20	B11,B16	B12,B17	B13,B18	B14,B19					
11	29-11-2013 (F.N)						B1,B6	B2,B7	B3,B8	B4,B9	B5,B10
12	02-12-2013 (F.N)						B11,B16	B12,B17	B13,B18	B14,B19	B15,B20
13	08-12-2013 (F.N)						B2,B7	B3,B8	B4,B9	B5,B10	B1,B6
14	09-12-2013 (F.N)						B12,B17	B13,B18	B14,B19	B15,B20	B11,B16
15	15-12-2013 (F.N)						B3,B8	B4,B9	B5,B10	B1,B6	B2,B7
16	18-12-2013 (F.N)						B13,B18	B14,B19	B15,B20	B11,B16	B12,B17
17	20-12-2013 (F.N)						B4,B9	B5,B10	B1,B6	B2,B7	B3,B8

18	30-12-2013 (F.N)						B14,B19	B15,B20	B11,B16	B12,B17	B13,B18
19	05-01-2014 (F.N)						B5,B10	B1,B6	B2,B7	B3,B8	B4,B9
20	10-01-2014 (F.N)						B15,B20	B11,B16	B12,B17	B13,B18	B14,B19
21	21-01-2014 (F.N)	B1-B10 Internal exam									
22	24-01-2014 (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**