

Name Of the Faculty:-Mr.Naresh Kumar

Discipline:-Applied Science

Semester:-IIInd

Subject:-Chemistry

Lesson Plan Duration:-15 weeks(from January,2018 to April,2018)

\*\* Work Load(Lecture/Practical) per week(in hours):-Lectures -03,Practicals-02

Week	Theory		Practical	
	Lecture day	Topic (including assignment/ test)	Practical Day	Topic
1st	1st	General Metallurgical term with reference to iron	1st	Gravimetric Analysis(Group I)
	2nd	Metallurgy of Cu,A1	2nd	Gravimetric Analysis(Group II)
	3rd	Metallurgy of A1		
2nd	4th	Manufacture of Steel	3rd	Determination of percentage purity of Blue vitrol using N/10 hypo(Group I)
	5th	Alloy's & its types	4th	Determination of percentage purity of Blue vitrol using N/10 hypo(Group II)
	6th	Invar, nichrome , steel		
3rd	7th	Alnico, brass	5th	Determination of moisture in given sample of coal (Group I)
	8th	Bronze , duralumin	6th	Determination of moisture in given sample of coal (Group II)
	9th	Magnalium and solder		
4th	10th	Defination of corrosion type and factor	7th	Viva (Group I)
	11th	Theory of Corrosion	8th	Viva (Group II)
	12th	Passivity in metel , cathodic protection		
5th	13th	Cementation , sheradizing , Chromozing , Calorizing	9th	Determination of percentage of volatile and non volatile matter in given coal sample ( Group I)
	14th	Inorganic and organic coating	10th	Determination of percentage of volatile and non volatile

	15th	Internal corrosion preventive measure		matter in given coal sample ( Group II)
6th	16th	Heat treatment and Revision	11th	Determination of ash. In given sample of coal (Group I)
	17th	Test of 1st and 2nd	12th	Determination of ash. In given sample of coal (Group II)
	18th	Fuel - Definition , classification , characterstic of good fuel		
7th	19th	Merits of Gaseous fuel type of coal	13th	Determination of viscosity using redwood viscometer (Group I)
	20th	Calorific value and its determination	14th	Determination of viscosity using redwood viscometer (Group II)
	21st	Analysis of coal ( Proximate)		
Week	Theory		Practical	
	Lecture day	Topic (including assignment/ test)	Practical Day	Topic
8th	22nd	Fuel rating	15th	Viva (Group I)
	23rd	CNG , LPG, Producer gas	16th	Viva (Group II)
	24th	Water gas , Bio gas		
9th	25th	Hydrogen as future fuel Nuclear fuel	17th	Determination of flash point ( Group I)
	26th	Lubricant :- Its types	18th	Determination of flash point ( Group II)
	27th	Classification		
10th	28th	Physical properties of Lubricant	19th	To study the effect of Metal on corrosion coupling of iron( Group I)
	29th	Chemical Properties	20th	To study the effect of Metal on corrosion coupling of

	30th	Designation of Lubricating oil		iron( Group II)
11th	31st	Application of cutting fluid	21th	Detection of Iron in given solution of rust (Group I)
	32nd	Types of cutting fluid	22nd	Detection of Iron in given solution of rust (Group II)
	33rd	Selection of cutting fluid		
12th	34th	Test	23rd	Viva (Group I)
	35th	Ceramics / Types and application	24th	Viva (Group II)
	36th	Refractories & composite material/ type and application		
13th	37th	Glass	25th	Revision (Group I)
	38th	Paint varnish enamels	26th	Revision (Group II)
	39th	Polymer/Monomer and degree of polymerisation		
14th	40th	Addition and condensation polymer /P E	27th	Revision (Group I)
	41st	PS,PVC,Teflon,Nylone 66 Bakalite	28th	Revision (Group II)
	42nd	Plastic		
15th	43rd	Application of Polymer	29th	Revision (Group I)
	44th	Revision	30th	Revision (Group II)
	45th	Test		