

LESSON PLAN FOR EVEN SEM
SESSION 2017-18

NAME OF ASSISTANT PROFESSOR : MRS. ASHA RANI
CLASS/SECTION : B.SC (SEM-IV)/C (DAY-1, 2)
SUBJECT : INORGANIC CHEMISTRY

UNIT/PART I	TOPIC- Chemistry of f-Block elements- Lanthanides -	
	THEORY	PRACTICAL
DAY1 DATE 1-1-18	Electronic structure, oxidation states, magnetic properties	.....
DAY2 DATE 2-1-18	complex formation, color, ionic radii	.....
DAY3 DATE 8-1-18	lanthanide contraction, occurrence, separation of lanthanides	.....
DAY4 DATE 9-1-18	separation of lanthanides, methods for separation into individual elements	.....
DAY5 DATE 15-1-18	Lanthanide compounds	.....
DAY 6 DATE 16-1-18	Lanthanide compounds, uses of lanthanides	.....
DAY7 DATE 22-1-18	HOLIDAY	
DAY8 DATE 23-1-18	SPORTS DAY	
UNIT/PART II	TOPIC- Chemistry of f-Block elements- Actinides	
	THEORY	PRACTICAL
DAY1 DATE 29-1-18	General characteristics of actinides	.....
DAY2 DATE 30-1-18	General characteristics of actinides	.....
DAY3 DATE 5-2-18	chemistry of separation of Np, Pu and Am from uranium	.....
DAY4 DATE 6-2-18	comparison of properties of Lanthanides and actinides with transition elements	.....
DAY5 DATE 12-2-18	Transuranic elements, later actinides	.....
DAY6 DATE 13-2-18	HOLIDAY	
DAY7 DATE 19-2-18	later actinides, questions discussion	.....
DAY8 DATE 20-2-18	Class test	.....
UNIT/PART III	TOPIC -Theory of Qualitative and Quantitative Analysis	
	THEORY	PRACTICAL
DAY1	Basic principles of inorganic qualitative	.....

DATE 26-2-18	analysis	
DAY2 DATE 27-2-18	Basic principles of inorganic qualitative analysis	.....
DAY3 DATE 5-3-18	Analysis of basic radicals(Gp-I,II)	.....
DAY4 DATE 6-3-18	Analysis of basic radicals(Gp-II,III)	.....
DAY 5 DATE 12-3-18	Interfering radicals and their removal	.....
DAY6 DATE 13-3-18	Analysis of basic radicals(Gp.-IV)	.....
DAY7 DATE 19-3-18	Analysis of basic radicals(Gp.-V,VI)	.....
DAY8 DATE 20-3-18	Analysis of basic radicals(Gp.-VI), Analysis of acid radicals	.....
UNIT/PART IV	TOPIC- Theory of Qualitative and Quantitative Analysis	
	THEORY	PRACTICAL
DAY1 DATE 26-3-18	Analysis of acid radicals	.....
DAY2 DATE 27-3-18	Analysis of acid radicals	.....
DAY3 DATE 2-4-18	Typical combination of acid radicals	.....
DAY4 DATE 3-4-18	Typical combination of acid radicals	.....
DAY5 DATE 9-4-18	Gravimetric analysis- Theory of precipitation, Co-precipitation,	.....
DAY6 DATE 10-4-18	Post-precipitation , Factors affecting solubility of precipitates,	.....
DAY7 DATE 16-4-18	Class test	.....
DAY8 DATE 17-4-18	Discussion of important questions from all chapters	.....

NAME OF ASSISTANT PROFESSOR : MRS. ASHA RANI
CLASS/SECTION : B.SC (IV) SEM/B (DAY-4,5)
SUBJECT :INORGANIC CHEMISTRY

UNIT/PART I	TOPIC -Chemistry of f-Block elements- Lanthanides	
	THEORY	PRACTICAL
DAY1 DATE 5-1-18	Electronic structure, oxidation states, magnetic properties	.....
DAY2 DATE 6-1-18	complex formation, color, ionic radii	.....
DAY2 DATE 12-1-18	lanthanide contraction, occurrence, separation of lanthanides	.....
DAY4 DATE 13-1-18	separation of lanthanides, methods for separation into individual elements	.....

DAY5 DATE 19-1-18	Lanthanide compounds	.....
DAY6 DATE 20-1-18	Lanthanide compounds, uses of lanthanides	.....
DAY7 DATE 26-1-18	HOLIDAY	
DAY 8 DATE 27-1-18	Class Test	
UNIT/PART II	TOPIC - Chemistry of f-Block elements- Actinides	
	THEORY	PRACTICAL
DAY1 DATE 2-2-18	General characteristics of actinides	.....
DAY2 DATE 3-2-18	General characteristics of actinides	.....
DAY3 DATE 9-2-18	chemistry of separation of Np, Pu and Am from uranium	.....
DAY4 DATE 10-2-18	HOLIDAY	.....
DAY5 DATE 16-2-18	comparison of properties of Lanthanides and actinides with transition elements	.....
DAY6 DATE 17-2-18	Transuranic elements, later actinides	.....
DAY7 DATE 23-2-18	later actinides, questions discussion	
UNIT/PART III	TOPIC -Theory of Qualitative and Quantitative Analysis	
	THEORY	PRACTICAL
DAY1 DATE 24-2-18	Basic principles of inorganic qualitative analysis	.....
DAY2 DATE 9-3-18	Basic principles of inorganic qualitative analysis	.....
DAY3 DATE 10-3-18	Analysis of basic radicals(Gp-I,II)	.....
DAY4 DATE 16-3-18	Analysis of basic radicals(Gp-II,III)	.....
DAY5 DATE 17-3-18	Interfering radicals and their removal	.....
DAY 6 DATE 23-3-18	HOLIDAY	
DAY 7 DATE 24-3-18	Analysis of basic radicals(Gp.-IV, V)	.....
UNIT/PART IV	TOPIC- Theory of Qualitative and Quantitative Analysis	
	THEORY	PRACTICAL
DAY1 DATE 30-3-18	Analysis of basic radicals(Gp.-V,VI)	.....
DAY2 DATE 31-3-18	Analysis of acid radicals	.....
DAY3 DATE 6-4-18	Analysis of acid radicals	.....

DAY4 DATE 7-4-18	Typical combination of acid radicals	.....
DAY5 DATE 13-4-18	Gravimetric analysis- Theory of precipitation, Co-precipitation,	.....
DAY6 DATE 14-4-18	HOLIDAY	
DAY7 DATE 20-4-18	Post-precipitation, Factors affecting solubility of precipitates	.....

NAME OF ASSISTANT PROFESSOR : MRS. ASHA RANI
CLASS/SECTION : B.SC (VI) SEM (DAY1, 2, 3, 4)
SUBJECT : PRACTICAL

UNIT/PART I	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 1-1-18	Determination of molecular weight by Rast method
DAY2 DATE 2-1-18	Thin Layer Chromatography
DAY3 DATE 3-1-18	Determination of molecular weight by Rast method
DAY4 DATE 4-1-18	Thin Layer Chromatography
DAY5 DATE 8-1-18	Inorganic qualitative analysis
DAY6 DATE 9-1-18	Inorganic qualitative analysis
DAY7 DATE 10-1-18	Inorganic qualitative analysis
DAY8 DATE 11-1-18	Inorganic qualitative analysis
DAY9 DATE 15-1-18	Inorganic qualitative analysis
DAY 10 DATE 16-1-18	Inorganic qualitative analysis
DAY11 DATE 17-1-18	Inorganic qualitative analysis
DAY12 DATE 18-1-18	Inorganic qualitative analysis
DAY13 DATE 22-1-18	HOLIDAY	
DAY14 DATE 23-1-18	SPORTS DAY	
DAY15 DATE 24-1-18	HOLIDAY	
DAY16 DATE 25-1-18	Inorganic qualitative analysis
UNIT/PART II	TOPIC	
	THEORY	PRACTICAL
DAY1	Inorganic qualitative analysis

DATE 29-1-18		
DAY2 DATE 30-1-18	.....	Inorganic qualitative analysis
DAY3 DATE 31-1-18	HOLIDAY	
DAY4 DATE 1-2-18	.....	Inorganic qualitative analysis
DAY5 DATE 5-2-18	.....	Inorganic qualitative analysis
DAY6 DATE 6-2-18	.....	Inorganic qualitative analysis
DAY7 DATE 7-2-18	.....	Inorganic qualitative analysis
DAY8 DATE 8-2-18	.....	Inorganic qualitative analysis
DAY9 DATE 12-2-18	.....	Inorganic qualitative analysis
DAY10 DATE 13-2-18	HOLIDAY	
DAY11 DATE 14-2-18	.....	Inorganic qualitative analysis
DAY12 DATE 15-2-18	.....	Inorganic qualitative analysis
DAY13 DATE 19-2-18	.....	Inorganic qualitative analysis
DAY14 DATE 20-2-18	.....	Inorganic qualitative analysis
DAY15 DATE 21-2-18	.....	Inorganic qualitative analysis
DAY16 DATE 22-2-18	.....	Inorganic qualitative analysis
UNIT/PART III	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 26-2-18	.....	Inorganic qualitative analysis
DAY2 DATE 27-2-18	.....	Inorganic qualitative analysis
DAY3 DATE 28-2-18	HOLIDAY	
DAY4 DATE 1-3-18	HOLIDAY	
DAY5 DATE 2-3-18	HOLIDAY	
DAY6 DATE 3-3-18	HOLIDAY	
DAY7 DATE 5-3-18	.....	Inorganic qualitative analysis
DAY8 DATE 6-3-18	.....	Inorganic qualitative analysis
DAY9	.....	Inorganic qualitative analysis

DATE 7-3-18		
DAY10 DATE 8-3-18	.....	Inorganic qualitative analysis
DAY 11 DATE 12-3-18	.....	Inorganic qualitative analysis
DAY12 DATE 13-3-18	.....	Inorganic qualitative analysis
DAY13 DATE 14-3-18	.....	Inorganic qualitative analysis
DAY14 DATE 15-3-18	.....	Inorganic qualitative analysis
DAY15 DATE 19-3-18	.....	Inorganic qualitative analysis
DAY16 DATE 20-3-18	.....	Inorganic qualitative analysis
DAY17 DATE 21-3-18	.....	Inorganic qualitative analysis
DAY18 DATE 22-3-18	.....	Inorganic qualitative analysis
UNIT/PART IV	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 26-3-18	.....	Inorganic qualitative analysis
DAY2 DATE 27-3-18	.....	Inorganic qualitative analysis
DAY3 DATE 28-3-18	.....	Inorganic qualitative analysis
DAY4 DATE 29-3-18	HOLIDAY	HOLIDAY
DAY5 DATE 2-4-18	.....	Inorganic qualitative analysis
DAY6 DATE 3-4-18	.....	Inorganic qualitative analysis
DAY7 DATE 4-4-18	.....	Inorganic qualitative analysis
DAY8 DATE 5-4-18	.....	Inorganic qualitative analysis
DAY9 DATE 9-4-18	.....	Inorganic qualitative analysis
DAY10 DATE 10-4-18	.....	Inorganic qualitative analysis
DAY11 DATE 11-4-18	.....	Inorganic qualitative analysis
DAY12 DATE 12-4-18	.....	Inorganic qualitative analysis
DAY13 DATE 16-4-18	.....	Inorganic qualitative analysis
DAY14 DATE 17-4-18	.....	Inorganic qualitative analysis

DAY15 DATE 18-4-18	HOLIDAY	HOLIDAY
DAY16 DATE 19-4-18	.....	Inorganic qualitative analysis

NAME OF ASSISTANT PROFESSOR : MRS. ASHA RANI
CLASS/SECTION : M.SC-I/GROUP-B
SUBJECT : INORGANIC CHEMISTRY(PRACTICAL)

UNIT/PART I	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 5-1-18	Qualitative analysis of mixture
DAY2 DATE 12-1-18	Qualitative analysis of mixture
DAY3 DATE 19-1-18	Qualitative analysis of mixture
DAY4 DATE 26-1-18	HOLIDAY	
UNIT/PART II	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 2-2-18	Qualitative analysis of mixture
DAY2 DATE 9-2-18	Qualitative analysis of mixture
DAY3 DATE 16-2-18	Qualitative analysis of mixture
DAY4 DATE 23-2-18	Qualitative analysis of mixture
UNIT/PART III	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 9-3-18	Qualitative analysis of mixture
DAY2 DATE 16-3-18	Qualitative analysis of mixture
DAY 3 DATE 23-3-18	HOLIDAY	
UNIT/PART IV	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 30-3-18	Qualitative analysis of mixture
DAY2 DATE 6-4-18	Qualitative analysis of mixture
DAY3 DATE 13-4-18	Qualitative analysis of mixture
DAY4 DATE 20-4-18	Qualitative analysis of mixture