## 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	Electronic structure, oxidation states,	•••••	
DATE 1-1-18	magnetic properties		
DAY2	complex formation, color, ionic radii	•••••	
DATE 2-1-18			
DAY3	lanthanide contraction, occurrence,	•••••	
DATE 8-1-18	separation of lanthanides		
DAY4	separation of lanthanides, methods for	•••••	
DATE 9-1-18	separation into individual elements		
DAY5	Lanthanide compounds	•••••	
DATE 15-1-18			
DAY 6	Lanthanide compounds, uses of lanthanides	•••••	
DATE 16-1-18			
DAY7	HOLIDAY		
DATE 22-1-18			
DAY8	SPORTS DAY		
DATE 23-1-18			
UNIT/PART II	TOPIC- Chemistry of f-Block elements- Actinio	des	
	THEORY	PRACTICAL	
DAY1	General characteristics of actinides	•••••	
DATE 29-1-18			
DAY2	General characteristics of actinides	•••••	
DATE 30-1-18			
DAY3	chemistry of separation of Np, Pu and Am		
DATE 5-2-18	from uranium		
DAY4	comparison of properties of Lanthanides and	•••••	
DATE 6-2-18	actinides with transition elements		
DAY5	Transuranic elements, later actinides	••••••	
DATE 12-2-18	***************************************		
DAY6	HOLIDAY		
DATE 13-2-18	Later and the control of the control		
DAY7	later actinides, questions discussion	••••••	
DATE 19-2-18	Classitant		
DAY8	Class test	•••••	
DATE 20-2-18	TODIC Theory of Qualitative and Quantitative	Analysis	
UNIT/PART III	TOPIC -Theory of Qualitative and Quantitative THEORY	*	
DAV1		PRACTICAL	
DAY1	Basic principles of inorganic qualitative	•••••	

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

NAME OF ASSISTANT PROFESSOR : MRS. ASHA RANI

CLASS/SECTION : B.SC (IV) SEM/B (DAY-4,5) SUBJECT :INORGANIC CHEMISTRY

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

DAY5	Lanthanide compounds	•••••	
DATE 19-1-18			
DAY6	Lanthanide compounds, uses of lanthanides	•••••	
DATE 20-1-18			
DAY7	HOLIDAY		
DATE 26-1-18			
DAY 8	Class Test		
DATE 27-1-18			
UNIT/PART II	TOPIC - Chemistry of f-Block elements- Actinide	es	
	THEORY	PRACTICAL	
DAY1	General characteristics of actinides		
DATE 2-2-18			
DAY2	General characteristics of actinides	•••••	
DATE 3-2-18		•••••	
DAY3	chemistry of separation of Np, Pu and		
DATE 9-2-18	Am from uranium	••••••	
DAY4			
	HOLIDAY	•••••	
DATE 10-2-18			
DAY5	comparison of properties of Lanthanides and	•••••	
DATE 16-2-18	actinides with transition elements		
DAY6	Transuranic elements, later actinides	•••••	
DATE 17-2-18			
DAY7	later actinides, questions discussion		
DATE 23-2-18			
UNIT/PART III	TOPIC -Theory of Qualitative and Quantitative	Analysis	
	THE COLUMN TWO IS NOT		
	THEORY	PRACTICAL	
DAY1	THEORY  Basic principles of inorganic	PRACTICAL	
DAY1 DATE 24-2-18	Basic principles of inorganic	PRACTICAL	
DATE 24-2-18	Basic principles of inorganic qualitative analysis		
DATE 24-2-18 DAY2	Basic principles of inorganic qualitative analysis  Basic principles of inorganic qualitative		
DATE 24-2-18 DAY2 DATE 9-3-18	Basic principles of inorganic qualitative analysis  Basic principles of inorganic qualitative analysis		
DATE 24-2-18  DAY2  DATE 9-3-18  DAY3	Basic principles of inorganic qualitative analysis  Basic principles of inorganic qualitative		
DATE 24-2-18  DAY2  DATE 9-3-18  DAY3  DATE 10-3-18	Basic principles of inorganic qualitative analysis  Basic principles of inorganic qualitative analysis  Analysis of basic radicals(Gp-I,II)		
DATE 24-2-18  DAY2  DATE 9-3-18  DAY3  DATE 10-3-18  DAY4	Basic principles of inorganic qualitative analysis  Basic principles of inorganic qualitative analysis		
DATE 24-2-18 DAY2 DATE 9-3-18 DAY3 DATE 10-3-18 DAY4 DATE 16-3-18	Basic principles of inorganic qualitative analysis  Basic principles of inorganic qualitative analysis  Analysis of basic radicals(Gp-I,II)  Analysis of basic radicals(Gp-II,III)		
DATE 24-2-18  DAY2  DATE 9-3-18  DAY3  DATE 10-3-18  DAY4  DATE 16-3-18  DAY5	Basic principles of inorganic qualitative analysis  Basic principles of inorganic qualitative analysis  Analysis of basic radicals(Gp-I,II)		
DATE 24-2-18  DAY2  DATE 9-3-18  DAY3  DATE 10-3-18  DAY4  DATE 16-3-18  DAY5  DATE 17-3-18	Basic principles of inorganic qualitative analysis  Basic principles of inorganic qualitative analysis  Analysis of basic radicals(Gp-I,II)  Analysis of basic radicals(Gp-II,III)  Interfering radicals and their removal		
DATE 24-2-18  DAY2  DATE 9-3-18  DAY3  DATE 10-3-18  DAY4  DATE 16-3-18  DAY5  DATE 17-3-18  DAY 6	Basic principles of inorganic qualitative analysis  Basic principles of inorganic qualitative analysis  Analysis of basic radicals(Gp-I,II)  Analysis of basic radicals(Gp-II,III)		
DATE 24-2-18  DAY2  DATE 9-3-18  DAY3  DATE 10-3-18  DAY4  DATE 16-3-18  DAY5  DATE 17-3-18  DAY 6  DATE 23-3-18	Basic principles of inorganic qualitative analysis  Basic principles of inorganic qualitative analysis  Analysis of basic radicals(Gp-I,II)  Analysis of basic radicals(Gp-II,III)  Interfering radicals and their removal  HOLIDAY		
DATE 24-2-18  DAY2  DATE 9-3-18  DAY3  DATE 10-3-18  DAY4  DATE 16-3-18  DAY5  DATE 17-3-18  DAY 6  DATE 23-3-18  DAY 7	Basic principles of inorganic qualitative analysis  Basic principles of inorganic qualitative analysis  Analysis of basic radicals(Gp-I,II)  Analysis of basic radicals(Gp-II,III)  Interfering radicals and their removal		
DATE 24-2-18  DAY2  DATE 9-3-18  DAY3  DATE 10-3-18  DAY4  DATE 16-3-18  DAY5  DATE 17-3-18  DAY 6  DATE 23-3-18  DAY 7  DATE 24-3-18	Basic principles of inorganic qualitative analysis  Basic principles of inorganic qualitative analysis  Analysis of basic radicals(Gp-I,II)  Analysis of basic radicals(Gp-II,III)  Interfering radicals and their removal  HOLIDAY  Analysis of basic radicals(Gp-IV, V)	••••••	
DATE 24-2-18  DAY2  DATE 9-3-18  DAY3  DATE 10-3-18  DAY4  DATE 16-3-18  DAY5  DATE 17-3-18  DAY 6  DATE 23-3-18  DAY 7	Basic principles of inorganic qualitative analysis  Basic principles of inorganic qualitative analysis  Analysis of basic radicals(Gp-I,II)  Analysis of basic radicals(Gp-II,III)  Interfering radicals and their removal  HOLIDAY  Analysis of basic radicals(Gp-IV, V)  TOPIC- Theory of Qualitative and Quantitative		
DATE 24-2-18 DAY2 DATE 9-3-18 DAY3 DATE 10-3-18 DAY4 DATE 16-3-18 DAY5 DATE 17-3-18 DAY 6 DATE 23-3-18 DAY 7 DATE 24-3-18 UNIT/PART IV	Basic principles of inorganic qualitative analysis  Basic principles of inorganic qualitative analysis  Analysis of basic radicals(Gp-I,II)  Analysis of basic radicals(Gp-II,III)  Interfering radicals and their removal  HOLIDAY  Analysis of basic radicals(Gp-IV, V)  TOPIC- Theory of Qualitative and Quantitative ATHEORY	••••••	
DATE 24-2-18  DAY2  DATE 9-3-18  DAY3  DATE 10-3-18  DAY4  DATE 16-3-18  DAY5  DATE 17-3-18  DAY 6  DATE 23-3-18  DAY 7  DATE 24-3-18  UNIT/PART IV	Basic principles of inorganic qualitative analysis  Basic principles of inorganic qualitative analysis  Analysis of basic radicals(Gp-I,II)  Analysis of basic radicals(Gp-II,III)  Interfering radicals and their removal  HOLIDAY  Analysis of basic radicals(Gp-IV, V)  TOPIC- Theory of Qualitative and Quantitative		
DATE 24-2-18 DAY2 DATE 9-3-18 DAY3 DATE 10-3-18 DAY4 DATE 16-3-18 DAY5 DATE 17-3-18 DAY 6 DATE 23-3-18 DAY 7 DATE 24-3-18 UNIT/PART IV	Basic principles of inorganic qualitative analysis  Basic principles of inorganic qualitative analysis  Analysis of basic radicals(Gp-I,II)  Analysis of basic radicals(Gp-II,III)  Interfering radicals and their removal  HOLIDAY  Analysis of basic radicals(Gp-IV, V)  TOPIC- Theory of Qualitative and Quantitative ATHEORY		
DATE 24-2-18  DAY2  DATE 9-3-18  DAY3  DATE 10-3-18  DAY4  DATE 16-3-18  DAY5  DATE 17-3-18  DAY 6  DATE 23-3-18  DAY 7  DATE 24-3-18  UNIT/PART IV	Basic principles of inorganic qualitative analysis  Basic principles of inorganic qualitative analysis  Analysis of basic radicals(Gp-I,II)  Analysis of basic radicals(Gp-II,III)  Interfering radicals and their removal  HOLIDAY  Analysis of basic radicals(Gp-IV, V)  TOPIC- Theory of Qualitative and Quantitative ATHEORY		
DATE 24-2-18 DAY2 DATE 9-3-18 DAY3 DATE 10-3-18 DAY4 DATE 16-3-18 DAY5 DATE 17-3-18 DAY 6 DATE 23-3-18 DAY 7 DATE 24-3-18 UNIT/PART IV  DAY1 DAY1 DATE 30-3-18	Basic principles of inorganic qualitative analysis  Basic principles of inorganic qualitative analysis  Analysis of basic radicals(Gp-I,II)  Analysis of basic radicals(Gp-II,III)  Interfering radicals and their removal  HOLIDAY  Analysis of basic radicals(Gp-IV, V)  TOPIC- Theory of Qualitative and Quantitative Analysis of basic radicals(GpV,VI)		
DATE 24-2-18 DAY2 DATE 9-3-18 DAY3 DATE 10-3-18 DAY4 DATE 16-3-18 DAY5 DATE 17-3-18 DAY 6 DATE 23-3-18 DAY 7 DATE 24-3-18 UNIT/PART IV  DAY1 DATE 30-3-18 DAY2	Basic principles of inorganic qualitative analysis  Basic principles of inorganic qualitative analysis  Analysis of basic radicals(Gp-I,II)  Analysis of basic radicals(Gp-II,III)  Interfering radicals and their removal  HOLIDAY  Analysis of basic radicals(GpIV, V)  TOPIC- Theory of Qualitative and Quantitative analysis of basic radicals(GpV,VI)  Analysis of basic radicals(GpV,VI)  Analysis of acid radicals		
DATE 24-2-18  DAY2  DATE 9-3-18  DAY3  DATE 10-3-18  DAY4  DATE 16-3-18  DAY5  DATE 17-3-18  DAY 6  DATE 23-3-18  DAY 7  DATE 24-3-18  UNIT/PART IV  DAY1  DAY1  DAY2  DAY2  DATE 31-3-18	Basic principles of inorganic qualitative analysis  Basic principles of inorganic qualitative analysis  Analysis of basic radicals(Gp-I,II)  Analysis of basic radicals(Gp-II,III)  Interfering radicals and their removal  HOLIDAY  Analysis of basic radicals(Gp-IV, V)  TOPIC- Theory of Qualitative and Quantitative Analysis of basic radicals(GpV,VI)		

DAY4	Typical combination of acid radicals	•••••
DATE 7-4-18		
DAY5	Gravimetric analysis- Theory of	
DATE 13-4-18	precipitation, Co-precipitation,	
DAY6	HOLIDAY	
DATE 14-4-18		
DAY7	Post-precipitation, Factors affecting	•••••
DATE 20-4-18	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		Determination of molecular weight by
DATE 1-1-18		Rast method
DAY2		Thin Layer Chromatography
DATE 2-1-18		
DAY3	•••••	Determination of molecular weight by
DATE 3-1-18		Rast method
DAY4	*******	Thin Layer Chromatography
DATE 4-1-18		
DAY5	*******	Inorganic qualitative analysis
DATE 8-1-18		
DAY6		Inorganic qualitative analysis
DATE 9-1-18		
DAY7	•••••	Inorganic qualitative analysis
DATE 10-1-18		
DAY8	•••••	Inorganic qualitative analysis
DATE 11-1-18		
DAY9	•••••	Inorganic qualitative analysis
DATE 15-1-18		
DAY 10	•••••	Inorganic qualitative analysis
DATE 16-1-18		
DAY11	•••••	Inorganic qualitative analysis
DATE 17-1-18		
DAY12	•••••	Inorganic qualitative analysis
DATE 18-1-18		
DAY13	HOLIDAY	
DATE 22-1-18		
DAY14	SPORTS DAY	
DATE 23-1-18		
DAY15	HOLIDAY	
DATE 24-1-18		
DAY16	•••••	Inorganic qualitative analysis
DATE 25-1-18		
UNIT/PART II		TOPIC
	THEORY	PRACTICAL
DAY1	••••••	Inorganic qualitative analysis

DATE 29-1-18		
DAY2		Inorganic qualitative analysis
DATE 30-1-18		morganie quantum ve unarysis
DAY3	HOLIDAY	
DATE 31-1-18	110ElD/11	
DAY4		Inorganic qualitative analysis
DATE 1-2-18	*******	morganic quantative analysis
DAY5		Inorganic qualitative analysis
DATE 5-2-18	*******	morganic quantative analysis
DAY6		Inorganic qualitative analysis
DATE 6-2-18	*******	morganic quantative analysis
DAY7		Inorganic qualitative analysis
DATE 7-2-18	*******	morganic quantative analysis
DAY8		Inorganic qualitative analysis
DATE 8-2-18	•••••	morganic quantative analysis
DAY9		Inorganic qualitative analysis
DATE 12-2-18	•••••	morganic quantative analysis
DAY10	HOLIDAY	
DATE 13-2-18	HOLIDAT	
DAY11		Inorganic qualitative analysis
DATE 14-2-18	*******	morganic quantative analysis
DAY12		Inorganic qualitative analysis
DATE 15-2-18	*******	morganic quantative analysis
DAY13		Inorganic qualitative analysis
DATE 19-2-18	*******	morganic quantative analysis
DAY14		Inorganic qualitative analysis
DATE 20-2-18	*******	morganic quantative analysis
DAY15		Inorganic qualitative analysis
DATE 21-2-18		morganic quantum ve unarysis
DAY16		Inorganic qualitative analysis
DATE 22-2-18		morganic quantum va manijana
UNIT/PART III		TOPIC
	THEORY	PRACTICAL
DAY1		Inorganic qualitative analysis
DATE 26-2-18		8
DAY2		Inorganic qualitative analysis
DATE 27-2-18		- G. 1
DAY3	HOLIDAY	
DATE 28-2-18		
DAY4	HOLIDAY	
DATE 1-3-18		
DAY5	HOLIDAY	
DATE 2-3-18		
DAY6	HOLIDAY	
DATE 3-3-18		
DAY7		Inorganic qualitative analysis
DATE 5-3-18		
DAY8		Inorganic qualitative analysis
DATE 6-3-18	*******	morganic quantum to unuryon
DAY9		Inorganic qualitative analysis
	•••••	

DATE 7.2.10		
DATE 7-3-18		In angonia qualitativa analysis
DAY10	•••••	Inorganic qualitative analysis
DATE 8-3-18		Y 11 11 1
DAY 11	•••••	Inorganic qualitative analysis
DATE 12-3-18		
DAY12	•••••	Inorganic qualitative analysis
DATE 13-3-18		
DAY13	•••••	Inorganic qualitative analysis
DATE 14-3-18		
DAY14	•••••	Inorganic qualitative analysis
DATE 15-3-18		
DAY15	•••••	Inorganic qualitative analysis
DATE 19-3-18		
DAY16		Inorganic qualitative analysis
DATE 20-3-18		
DAY17	•••••	Inorganic qualitative analysis
DATE 21-3-18		
DAY18	+	Inorganic qualitative analysis
DATE 22-3-18	•••••	morganic quantative analysis
		TODIC
UNIT/PART IV	EULODY	TOPIC
DAY	THEORY	PRACTICAL
DAY1	•••••	Inorganic qualitative analysis
DATE 26-3-18		
DAY2	•••••	Inorganic qualitative analysis
DATE 27-3-18		
DAY3	•••••	Inorganic qualitative analysis
DATE 28-3-18		
DAY4	HOLIDAY	HOLIDAY
DATE 29-3-18		
DAY5	•••••	Inorganic qualitative analysis
DATE 2-4-18		
DAY6	•••••	Inorganic qualitative analysis
DATE 3-4-18		
DAY7		Inorganic qualitative analysis
DATE 4-4-18		
DAY8	•••••	Inorganic qualitative analysis
DATE 5-4-18		
DAY9		Inorganic qualitative analysis
DATE 9-4-18		
DAY10	•••••	Inorganic qualitative analysis
DATE 10-4-18		
DAY11	•••••	Inorganic qualitative analysis
DATE 11-4-18		
DAY12		Inorganic qualitative analysis
DATE 12-4-18		
DAY13		Inorganic qualitative analysis
DATE 16-4-18		- 6 1 1
DAY14		Inorganic qualitative analysis
DATE 17-4-18		morganie quantani ve unur jois
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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	•••••	Qualitative analysis of mixture
DATE 5-1-18		
DAY2	•••••	Qualitative analysis of mixture
DATE 12-1-18		
DAY3	•••••	Qualitative analysis of mixture
DATE 19-1-18		
DAY4	HOLIDAY	
DATE 26-1-18		
UNIT/PART II		TOPIC
	THEORY	PRACTICAL
DAY1	•••••	Qualitative analysis of mixture
DATE 2-2-18		
DAY2	•••••	Qualitative analysis of mixture
DATE 9-2-18		
DAY3	•••••	Qualitative analysis of mixture
DATE 16-2-18		
DAY4	•••••	Qualitative analysis of mixture
DATE 23-2-18		
UNIT/PART III	TOPIC	·
	THEORY	PRACTICAL
DAY1	•••••	Qualitative analysis of mixture
DATE 9-3-18		
DAY2	•••••	Qualitative analysis of mixture
DATE 16-3-18		
DAY 3	HOLIDAY	
DATE 23-3-18		
UNIT/PART IV	TOPIC	
	THEORY	PRACTICAL
DAY1	•••••	Qualitative analysis of mixture
DATE 30-3-18		
DAY2	•••••	Qualitative analysis of mixture
DATE 6-4-18		
DAY3	•••••	Qualitative analysis of mixture
DATE 13-4-18		
DAY4	•••••	Qualitative analysis of mixture
DATE 20-4-18		