

Inorganic Chemistry

SWAYAM Prabha Course –S13

PROFESSOR'S NAME	Prof. Ravin M. Jugade	
DEPARTMENT	Chemistry	
INSTITUTE	RTM Nagpur University	
COURSE OUTLINE	This course is designed in order to make the students understand chemistry of transition elements, inner-transition elements and coordination chemistry. Two theories of coordination compounds have been discussed in details. Detailed description of isomerism in complexes has been incorporated in the end.	
COURSE DETAILS		
S. No	Module ID/ Lecture ID	Lecture Title/Topic
1	Lecture 1	Transition Elements-1
2	Lecture 2	Transition Elements-2
3	Lecture 3	Transition Elements-3
4	Lecture 4	Transition Elements-4
5	Lecture 5	Lanthanoids and Actinoids-1
6	Lecture 6	Lanthanoids and Actinoids-2
7	Lecture 7	Coordination Chemistry-1
8	Lecture 8	Coordination Chemistry-2
9	Lecture 9	Coordination Chemistry-3
10	Lecture 10	Coordination Chemistry-4
11	Lecture 11	Crystal Field Theory-1

12	Lecture 12	Crystal Field Theory-2
13	Lecture 13	Crystal Field Theory-3
14	Lecture 14	Crystal Field Theory-4

References if Any:

1. Concise Inorganic Chemistry: J. D. Lee,
2. Inorganic Chemistry :: Principles of Structure and Reactivity: James A Huheey
3. Basic Inorganic Chemistry: Cotton and Wilkinson

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