Prayas JEE 2026 Lecture Planner - Inorganic Chemistry

S. No.	Batch Name	Subject	Sub- Subject	Chapter Name	Topic	Lecture Number	Date	Faculty Name
1	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Classification of Elements and Periodicity in Properties	Need for Classification of Elements,Historical Development of Classification of Elements,Magic Numbers	1	Friday, July 11, 2025	Amitabh Sharma Sir
2	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Classification of Elements and Periodicity in Properties	Modern Periodic Law and Present Form of the Periodic Table, Merits of Long Form of Periodic Table Over Mendeleev's Periodic Table	2	Saturday, July 12, 2025	Amitabh Sharma Sir
3	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Classification of Elements and Periodicity in Properties	Electronic Configuration of Elements and The Periodic Table Division of Elements into s, p, d and f Blocks, and Their Characteristics	3	Monday, July 14, 2025	Amitabh Sharma Sir
4	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Classification of Elements and Periodicity in Properties	Division of Elements into s, p, d and f Blocks, and Their Characteristics	4	Tuesday, July 15, 2025	Amitabh Sharma Sir
5	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Classification of Elements and Periodicity in Properties	Classification of Elements as Metals, Non-Metals and Metalloids Anomalous Properties of Second Period Elements	5	Wednesday, July 16, 2025	Amitabh Sharma Sir
6	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Classification of Elements and Periodicity in Properties	Diagonal Relationship Bridge Elements Typical Elements Nomenclature of Elements With Atomic Number > 100	6	Thursday, July 17, 2025	Amitabh Sharma Sir
7	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Classification of Elements and Periodicity in Properties	Periodic Properties,Screening Effect,Effective Nuclear Charge	7	Friday, July 18, 2025	Amitabh Sharma Sir
8	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Classification of Elements and Periodicity in Properties	Periodic Trends in Physical Properties,Periodic Properties	8	Saturday, July 19, 2025	Amitabh Sharma Sir
9	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Classification of Elements and Periodicity in Properties	Scales of Electronegativity,Factors affecting the magnitude of electronegativity Periodicity in Electronegativity	9	Monday, July 21, 2025	Amitabh Sharma Sir
10	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Classification of Elements and Periodicity in Properties	Application of Electronegativity,Hydration Energy,Lattice Energy Melting and Boiling Points	10	Tuesday, July 22, 2025	Amitabh Sharma Sir
11	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Chemical Bonding and Molecular Structure	Introduction,Ionic or Electrovalent Bond,Lattice Energy	1	Wednesday, July 23, 2025	Amitabh Sharma Sir
12	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Chemical Bonding and Molecular Structure	Kössel - Lewis Approach to Chemical Bonding	2	Thursday, July 24, 2025	Amitabh Sharma Sir
13	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Chemical Bonding and Molecular Structure	Kössel - Lewis Approach to Chemical Bonding	3	Friday, July 25, 2025	Amitabh Sharma Sir
14	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Chemical Bonding and Molecular Structure	Resonating Structure, Resonance Energy,Valence Shell Electron Pair Repulsion (VSEPR) Theory	4	Saturday, July 26, 2025	Amitabh Sharma Sir
15	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Chemical Bonding and Molecular Structure	Valence Bond Theory (VBT)	5	Monday, July 28, 2025	Amitabh Sharma Sir
16	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Chemical Bonding and Molecular Structure	Valence Bond Theory (VBT) VSEPR Theory	6	Tuesday, July 29, 2025	Amitabh Sharma Sir
17	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Chemical Bonding and Molecular Structure	Hybridisation	7	Wednesday, July 30, 2025	Amitabh Sharma Sir
18	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Chemical Bonding and Molecular Structure	Determination of Number of [p(pi) - p(pi)] Bonds Dipole Moment	8	Thursday, July 31, 2025	Amitabh Sharma Sir
19	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Chemical Bonding and Molecular Structure	Polarisability and Fajan's Rule Polarity of Covalent Bonds	9	Friday, August 1, 2025	Amitabh Sharma Sir
20	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Chemical Bonding and Molecular Structure	Linear Combination of Atomic Orbitals (LCAO)	10	Saturday, August 2, 2025	Amitabh Sharma Sir
21	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Chemical Bonding and Molecular Structure	Molecular Orbital Theory (MOT)	11	Monday, August 4, 2025	Amitabh Sharma Sir
22	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Chemical Bonding and Molecular Structure	Shapes of the Molecular Orbitals	12	Tuesday, August 5, 2025	Amitabh Sharma Sir
23	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Chemical Bonding and Molecular Structure	Bond Enthalpy or Bond Dissociation Enthalpy Bond Parameters	13	Wednesday, August 6, 2025	Amitabh Sharma Sir
24	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Chemical Bonding and Molecular Structure	Hydrogen Bonds,Inter Molecular Forces	14	Thursday, August 7, 2025	Amitabh Sharma Sir
25	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Chemical Bonding and Molecular Structure	Back Bonding, Bridge bonding	15	Saturday, August 9, 2025	Amitabh Sharma Sir

26	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Coordination Compounds	Shape 1. Double salt 2. Co-ordination or Complex Compounds	1	Wednesday, November 12, 2025	Amitabh Sharma Sir
27	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Coordination Compounds	I. Perfect Complex II. Imperfect complex	2	Thursday, November 13, 2025	Amitabh Sharma Sir
28	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Coordination Compounds	Various terms used in co-ordination compound	3	Friday, November 14, 2025	Amitabh Sharma Sir
29	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Coordination Compounds	Classification of ligand	4	Saturday, November 15, 2025	Amitabh Sharma Sir
30	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Coordination Compounds	Classification of ligand	5	Monday, November 17, 2025	Amitabh Sharma Sir
31	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Coordination Compounds	Werner theory	6	Tuesday, November 18, 2025	Amitabh Sharma Sir
32	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Coordination Compounds	Effective atomic number	7	Wednesday, November 19, 2025	Amitabh Sharma Sir
33	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Coordination Compounds	Nomenclature of co-ordination compound Valence bond theory	8	Thursday, November 20, 2025	Amitabh Sharma Sir
34	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Coordination Compounds	Valence bond theory	9	Friday, November 21, 2025	Amitabh Sharma Sir
35	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Coordination Compounds	Crystal field theory	10	Saturday, November 22, 2025	Amitabh Sharma Sir
36	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Coordination Compounds	Stability of complexes	11	Monday, November 24, 2025	Amitabh Sharma Sir
37	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Coordination Compounds	Isomerism in co-ordination compounds	12	Tuesday, November 25, 2025	Amitabh Sharma Sir
38	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Coordination Compounds	Organometallic compounds	13	Wednesday, November 26, 2025	Amitabh Sharma Sir
39	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Coordination Compounds	Application of Co-ordination compounds	14	Thursday, November 27, 2025	Amitabh Sharma Sir
40	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Coordination Compounds	Application of Co-ordination compounds	15	Friday, November 28, 2025	Amitabh Sharma Sir
41	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Principles of Qualitative Analysis:Salt analysis	Introduction	1	Saturday, November 29, 2025	Amitabh Sharma Sir
42	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Principles of Qualitative Analysis:Salt analysis	ANALYSIS OF ANIONS (ACID RADICALS)	2	Monday, December 1, 2025	Amitabh Sharma Sir
43	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Principles of Qualitative Analysis:Salt analysis	INDIVIDUAL TEST OF ANIONS CLASS A RADICALS:GROUP 1	3	Tuesday, December 2, 2025	Amitabh Sharma Sir
44	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Principles of Qualitative Analysis:Salt analysis	Group I involves anions which evolve gases on reaction with dil. HCl/dil. H2SO4	4	Wednesday, December 3, 2025	Amitabh Sharma Sir
45	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Principles of Qualitative Analysis:Salt analysis	Group I involves anions which evolve gases on reaction with dil. HCl/dil. H2SO4	5	Thursday, December 4, 2025	Amitabh Sharma Sir
46	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Principles of Qualitative Analysis:Salt analysis	CLASS B RADICALS: Group II RADICALS DETECTED WITH THEIR SALTS SOLUTINS	6	Friday, December 5, 2025	Amitabh Sharma Sir
47	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Principles of Qualitative Analysis:Salt analysis	ANALYSIS OF CATIONS (BASIC RADICALS) Separation of Cations	7	Saturday, December 6, 2025	Amitabh Sharma Sir
48	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Principles of Qualitative Analysis:Salt analysis	Identification of Basic Radical	8	Monday, December 8, 2025	Amitabh Sharma Sir
49	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Principles of Qualitative Analysis:Salt analysis	Some Important Concept	9	Tuesday, December 9, 2025	Amitabh Sharma Sir
50	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Principles of Qualitative Analysis:Salt analysis	Some Important Concept	10	Wednesday, December 10, 2025	Amitabh Sharma Sir
51	Prayas JEE 2026	Chemistry	Inorganic Chemistry	P-block Elements	Group 13 elements Physical Properties Chemical Properties Important trends and anomalous properties of boron Some important compounds of boron Uses of boron and aluminium and their compounds Group 14 elements Physical Properties of Group 14	1	Thursday, December 11, 2025	Amitabh Sharma Sir
52	Prayas JEE 2026	Chemistry	Inorganic Chemistry	P-block Elements	Chemical Properties Important trends and anomalous behaviour of carbon Allotropes of carbon Uses of Carbon Some important compounds of carbon and silicon	2	Friday, December 12, 2025	Amitabh Sharma Sir
53	Prayas JEE 2026	Chemistry	Inorganic Chemistry	P-block Elements	GROUP 15 ELEMENTS : THE NITROGEN FAMILY OCCURENCE Oxidation States and Their Stability Anomalous Properties of Nitrogen CHEMICAL PROPERTIES DINITROGEN COMPOUNDS OF NITROGEN	3	Saturday, December 13, 2025	Amitabh Sharma Sir

54	Prayas JEE 2026	Chemistry	Inorganic Chemistry	P-block Elements	Oxoacids Of Nitrogen Allotropes Of Phosphorous COMPOUNDS OF PHOSPHORUS Halides Of Phosphorous Oxoacids Of Phosphorous GROUP 16 ELEMENTS: THE OXYGEN FAMILY Chemical Properties DIOXYGEN (O2) OXIDES OZONE SULPHUR (S) COMPOUNDS OF SULPHUR Oxides of Sulphur GROUP 17 ELEMENTS: THE HALOGEN FAMILY Anomalous Behaviour of Fluorine CHLORINE (Cl 2) HYDROGEN CHLORIDE PSEUDO HALOGENS AND PSEUDO HALIDES Inter Halogen Compounds OXY-ACIDS OF HALOGENS GROUP 18 ELEMENTS: (THE ZERO GROUP FAMILY) Group 18 Elements COMPOUNDS OF XENON	4	Monday, December 15, 2025	Amitabh Sharma Sir
55	Prayas JEE 2026	Chemistry	Inorganic Chemistry	The d and f-Block Elements	Introduction Position in the Periodic Table Electronic Configuration of the d-Block Elements Electronic Configuration of the d-Block Elements Physical Properties General Properties of Transition Elements (d-Block) Some Usefull Compounds of Transition Elements The Lanthanides	1	Tuesday, December 16, 2025	Amitabh Sharma Sir
56	Prayas JEE 2026	Chemistry	Inorganic Chemistry	GENERAL PRINCIPLES AND PROCESSES OF ISOLATION OF METALS (Recorded)	Introduction Main step involved in metallurgy Alloys and amalgams Different types of furnaces Metallurgy of Some Metal Steel Uses of Metal	1	Wednesday, December 17, 2025	Amitabh Sharma Sir
57	Prayas JEE 2026	Chemistry	Inorganic Chemistry	Hydrogen and its Compound (Recorded)	Position of Hydrogen in the Periodic Table Dihydrogen Isotopes of Hydrogen Preparation of Dihydrogen, H2 Physical properties of Dihydrogen Chemical properties of Dihydrogen Uses of Dihydrogen Hydrides Water Permanent Hardness	1	Thursday, December 18, 2025	Amitabh Sharma Sir
58	Prayas JEE 2026	Chemistry	Inorganic Chemistry	S-block Element (Recorded)	Group 1 Elements Physical Properties of Group 1 Elements Chemical Properties of Group 1 Elements Uses of Group 1 elements General characteristics of the compounds of the alkali metals Anomalous properties of lithium Some important compounds of sodium Biological importance of sodium and potassium Group 2 elements Physical properties of group 2 elements Chemical properties of group 2 elements Uses General characteristics of compounds of the alkaline earth metals Anomalous behaviour of beryllium Cement Biological importance of magnesium and calcium	1	Friday, December 19, 2025	Amitabh Sharma Sir