

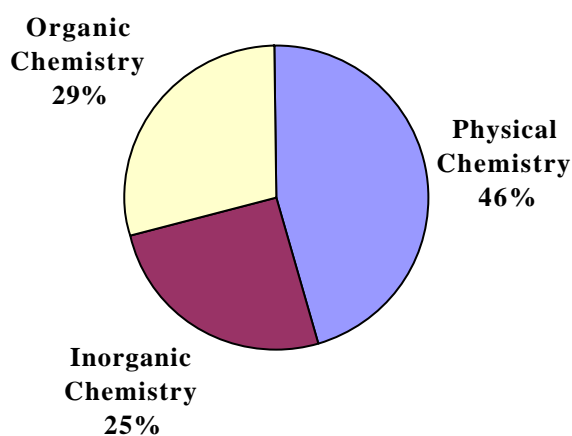
Analysis of AIEEE 2005 Paper in Chemistry

Question No's.	Topic	Concept
76	Periodic Properties	Acid-base concept
77	Chemical Bonding	Molecular orbital theory
78	Solutions	Van't Hoff's factor
79	Oxidation Reduction	Oxidation number
80	Nuclear Chemistry	Nuclear Fusion
81	Solid state	Unit cell (fcc)
82	Thermodynamics	Concept of spontaneity and non-spontaneity
83	Polymers	Condensation polymer
84	Chemistry in everyday life	Factual
85	General Organic Chemistry	Reaction intermediates
86	Chemical Bonding	Lattice energy
87	Electrochemistry	Conductance
88	Electrochemistry	Faraday's IIInd law
89	Chemical Kinetics	Activation energy
90	Thermodynamics	Relation between ΔH and ΔU
91	Gaseous State	Distribution of molecular speeds
92	Surface Chemistry	Colloidal state
93	Ionic Equilibrium	Solubility product
94	Solutions	Raoult's law
95	Chemical Equilibrium	Le-chatelier's principle
96	Mole Concept	Molarity equation
97	Chemical Equilibrium	Relation between K_p and K_c
98	Ionic Equilibrium	pH value
99	Chemical Kinetics	Molecularity
100	Basic concepts of Chemistry	Atomic mass and molar mass

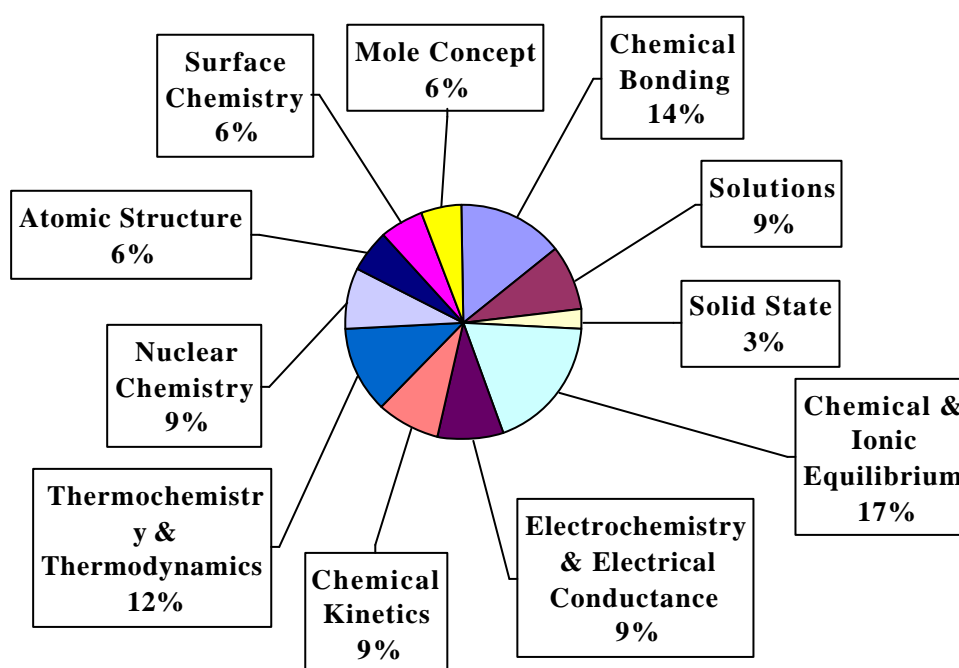
Question No's.	Topic	Concept
101	Atomic Structure	Quantum number
102	Metallurgy	Factual
103	Electrochemistry	Kohulrausch's law
104	Chemical Kinetics	Arrhenius equation
105	Surface Chemistry	Colloidal state
106	<i>s</i> -block elements	lattice energy
107	Metallurgy	Self reduction
108	Chemical Bonding	VSEPR Theory
109	Chemical Bonding	σ , π bonds
110	<i>d</i> -block elements	Oxidising action of potassium
111	<i>p</i> -block elements	Oxyacids
112	Ionic equilibrium	Bronsted Lowry concept of acids and bases
113	<i>p</i> -block elements	Bond length
114	<i>p</i> -block elements	Factual
115	<i>d</i> -block elements	Factual
116	Periodic Table	Ionisation energy
117	<i>p</i> -block elements	Structure based
118	Chemical Bonding	Isoelectronic species
119	<i>f</i> - block elements	Lanthanide contraction
120	Coordination Chemistry	IUPAC Nomenclature
121	Coordination Chemistry	Isomerism
122	Coordination Chemistry	Paramagnetism
123	Hydrocarbons	Stability of free radicals
124	Nuclear Chemistry	Artificial Transmutation
125	Aldehyde & Ketones	Action of reagents
126	Haloalkanes	Mechanism of Nucleophilic Substitution
127	Biomolecules	Structure based
128	General Organic Chemistry	Kinetic vs. thermodynamically controlled reactions

Question No's.	Topic	Concept
129	General Organic Chemistry	Inductive effect
130	General Organic Chemistry	Basicity and nucleophilicity
131	Amines	Qualitative estimation
132	Polymer	Factual
133	General Organic Chemistry	Isomerism
134	Hydrocarbons	Corey-House synthesis
135	Hydrocarbons/ Alcohols	Stability of intermediates
136	General Organic Chemistry	Acidic and Basic Strength
137	General Organic Chemistry	Isomerism
138	Carboxylic Acid Derivatives	Basicity and Nucleophilicity
139	Haloalkane/Alkene	Saytzeff rule
140	Solutions	Colligative properties
141	Atomic structure	Electronic Configuration
142	<i>p</i> -block Elements	Structure Based
143	Coordination Chemistry	Crystal Field Theory
144	<i>f</i> -block elements	Lanthanide contraction
145	Ketones/Amines	Factual
146	Phenols	Reimer Tiemann Reaction
147	N-containing Compounds	Characterisation of organic compounds
148	Thermodynamics	Bond dissociation energy
149	Nuclear Chemistry	Relation between λ and t
150	Chemical equilibrium	Law of mass action

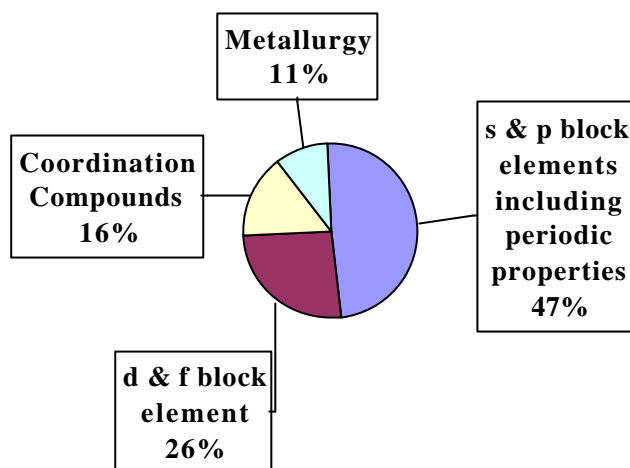
**Module wise breakup of Questions
in
AIEEE-2005 (Chemistry)
by percentage**



PHYSICAL CHEMISTRY



INORGANIC CHEMISTRY



ORGANIC CHEMISTRY

