

Chemistry		
Region	Category	Category
Inorganic chemistry		Metal complexes, coordination chemistry
		Reactive oxygen species, nitrogen oxides, sulfur compounds-
Organic chemistry		Basics of organic chemistry (physicochemical properties, chemical bonding, stereochemistry, nomenclature, etc.)
		Electrophilic addition reactions
		Nucleophilic substitution reactions
		Elimination reactions
		Nucleophilic addition reactions
		Electrophilic substitution reactions
		Rearrangement reactions
		Radical reactions
		Pericyclic reactions
		Organic structural analysis
		Nucleic acids
Chemical biology		Proteins, peptides, amino acids
		Carbohydrates
		Lipids
		Coenzymes, enzymatic reactions, enzyme inhibitors
		Approximate scope of the questions: Organic Chemistry Text Book by Bruice, Vollhardt & Schore, McMurry as a reference.

Physics		
Region	Category	Category
Physical chemistry		Thermodynamics, statistical mechanics
		Quantum mechanics
		Reaction kinetics
		Solutions and electrolyte solutions
		Three-dimensional structure of biomolecules and their determination method
Analytical chemistry		Quantitative analysis using chemical equilibrium (titration, etc.)
		Chromatography, electrophoresis
		Instrumental analysis
Pharmaceutics		Interfacial phenomena and dispersions
		Rheology
		Powders
		Drug dissolution, stability and stabilization

Biology		
Region	Category	Category
Biochemistry		Properties of sugars, lipids, nucleic acids, and proteins
		Metabolism of sugars, lipids, amino acids, and nucleotides
		Energy metabolism
		Gene replication and repair
		Transcription and translation
		Biochemical reactions
Cell biology		Cellular function
		Organelle
		Cytoskeleton and cell adhesion
		Signal transduction
		Cell cyle and cell death

Clinical-oriented pharmaceutical sciences		
Region	Category	Category
Anatomy and physiology		Organ functions
Drug disposition and pharmacokinetics		Absorption
		Distribution
		Metabolism
		Excretion
		Pharmacokinetics
		Drug interactions
		Drug information
薬理学		Intracellular signal transduction
Pharmacology		Receptors, ion channels, and transporters
		Neurotransmitters
		Nervous system
		Cardiovascular system
		Hematologic and hematopoietic systems
		Respiratory system
		Gastrointestinal system
		Immune system
		Urinary and reproductive systems
		Metabolic system
		Sensory system
		Biostatistics