

2013, Part-A = Objective Type
 2013, Part-B = Fill in blanks Type
 2013, Part-C = Subjective Type

2015, 16, 17: Part-A =MCQ (Multiple Choice Questions)
 2015, 16, 17: Part-B = MSQ (Multiple Select Questions)
 2015, 16, 17: Part-C = NAT (Numerical Answer Type)

Part-A: Objective Type; Part-B = Subjective Type
 (2005 to 2012)

IIT-JAM CHEMISTRY-CY

ANALYSIS OF QUESTION PAPERS

UNITS	QUESTIONS ASKED (in Marks)																																	
	2017			2016			2015			2014			2013			2012		2011		2010		2009		2008		2007		2006		2005				
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B			
ORGANIC CHEMISTRY																																		
GOC + Aromaticity	1	-	1	1	2	1	2	2	-	-	-	-	-	3	-	3	-	6	-	6	-	9	-	6	-	6	-	3	-	3	-			
Stereochemistry	4	-	2	2	-	5	1	-	-	4	-	-	-	-	-	6	6	9	-	12	-	6	-	6	6	6	6	6	6	15	-	-	-	
Reaction Mechanism	3	-	-	2	-	-	6	4	4	5	-	2	-	10	18	18	3	30	6	30	12	30	12	27	6	18	12	15	12	45	-	-	-	
Named Reactions & Rearrangements	4	-	-	2	-	-	4	-	-	2	5	-	-	-	-	-	-	-	15	3	15	-	15	6	15	-	-	6	-	3	6	-	-	
Reagents	6	-	-	4	4	-	5	-	-	2	5	-	-	10	-	9	-	15	-	15	-	15	-	12	3	21	-	21	-	12	-	-	-	
Natural Products	-	-	2	1	2	-	-	-	-	3	4	-	2	-	-	9	15	6	9	-	15	3	21	-	9	3	15	-	9	-	-	-	-	
Pericyclic	-	4	-	-	-	2	-	-	-	2	-	2	-	-	-	6	-	6	3	-	-	-	-	6	-	-	-	-	-	3	-	-	-	
Heterocyclic Chemistry	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	3	-	9	6	-	-	
Organic Spectroscopy	2	-	1	2	-	-	2	2	2	1	2	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
INORGANIC CHEMISTRY																																		
Periodic Table	-	-	-	-	-	-	1	-	-	1	-	1	-	-	-	-	-	2	-	-	-	2	-	1	1	-	1	-	-	-	-	-	-	
Chemical Bonding and Shapes of Compounds	-	2	1	3	2	6	3	-	1	4	-	1	1	-	2	-	-	-	2	1	-	-	1	1	2	-	2	-	1	2	-	-	-	
Main Group Elements (s and p blocks)	5	-	1	2	2	1	-	1	-	1	-	-	1	-	1	3	5	3	5	1	5	1	4	1	3	4	3	4	3	4	4	1	-	-
Transition Metals (d-blocks)	4	2	1	11	2	2	5	2	2	4	1	2	1	1	2	5	5	1	2	2	-	3	3	2	-	2	2	3	4	2	2	-	-	
Organometallic Compounds	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bioinorganic Chemistry	-	2	-	-	2	-	1	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Instrumental Methods of Analysis	1	-	4	2	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Analytical Chemistry	-	2	2	1	-	1	2	-	2	3	-	-	-	-	3	-	2	3	-	2	-	4	1	3	-	4	2	1	2	2	2	-	-	
PHYSICAL CHEMISTRY																																		
Basic Mathematical Concepts	4	-	-	1	-	-	1	-	-	1	-	1	-	1	-	1	-	1	-	2	-	3	-	1	-	2	-	2	1	-	-	-	-	
Atomic and Molecular Structure	4	2	-	4	2	-	1	-	2	-	-	1	-	-	2	1	1	2	1	2	1	2	1	3	1	1	1	1	2	1	1	-	-	
Theory of gases	-	-	-	4	-	2	-	-	2	1	-	-	1	1	-	-	1	-	-	1	-	1	1	-	2	2	-	1	-	-	-	-	-	
Solid State	-	-	4	1	-	1	-	1	-	1	-	1	-	1	-	1	1	1	1	1	-	1	-	1	-	1	-	-	-	1	-	-	-	
Chemical Thermodynamics	1	2	3	1	-	3	2	1	2	2	-	1	1	2	2	3	2	3	1	1	3	2	2	1	-	1	-	-	-	5	-	-	-	
Chemical and Phase Equilibria	2	-	-	2	-	3	1	-	2	3	1	-	-	1	2	3	3	3	2	3	2	2	3	4	3	2	3	3	3	3	3	-	-	
Electrochemistry	3	-	3	2	-	-	1	-	1	1	-	-	1	1	3	2	-	3	1	1	-	1	1	-	2	1	3	1	1	-	-	-	-	
Chemical Kinetics	2	-	1	2	-	2	1	-	2	1	1	1	1	-	2	2	-	-	-	2	2	1	2	2	-	1	1	2	2	1	1	-	-	
Adsorption	-	-	2	-	2	-	-	-	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Solution & Colligative Properties	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Physical Spectroscopy	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

