IIT JEE 2022 – JEE MAIN JUNE ATTEMPT

CHEMISTRY ANALYSIS



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Unit-Wise Weightage of Questions

All Papers, a total of 360 Questions

Unit	Total	24 S1	24 S2	25 S1	25 S2	26 S1	26 S2	27 S1	27 S2	28 S1	28 S2	29 S1	29 S2
Physical Chemistry	**120**	10	9	11	11	10	10	10	10	9	10	10	10
Inorganic Chemistry	**113**	11	10	8	7	11	8	11	11	9	9	9	9
Organic Chemistry	**127**	9	11	11	12	9	12	9	9	12	11	11	11

Section A (20 Questions Per Paper, Total of 240 Questions)

Unit	Total	24 S1	24 S2	25 S1	25 S2	26 S1	26 S2	27 S1	27 S2	28 S1	28 S2	29 S1	29 S2
Physical Chemistry	42	4	4	2	6	4	2	3	2	2	4	5	4
Inorganic Chemistry	91	9	8	7	4	9	6	9	10	7	7	7	8
Organic Chemistry	107	7	8	11	10	7	12	8	8	11	9	8	8

Section B (10 Questions Per Paper, Total of 120 Questions)

Unit	Total	24 S1	24 S2	25 S1	25 S2	26 S1	26 S2	27 S1	27 S2	28 S1	28 S2	29 S1	29 S2
Physical Chemistry	78	6	5	9	5	6	8	7	8	7	6	5	6
Inorganic Chemistry	22	2	2	1	3	2	2	2	1	2	2	2	1
Organic Chemistry	20	2	3	0	2	2	0	1	1	1	2	3	3

Class Wise Weightage

Unit	Total	24 S1	24 S2	25 S1	25 S2	26 S1	26 S2	27 S1	27 S2	28 S1	28 S2	29 S1	29 S2
Class 11	150	10	15	14	12	11	14	10	13	10	12	13	16
Class 12	210	20	15	16	18	19	16	20	17	20	18	17	14

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Chapter-wise Weightage of Questions

Chapter Name	Total	24 S1	24 S2	25 S1	25 S2	26 S1	26 S2	27 S1	27 S2	28 S1	28 S2	29 S1	29 S2
General Organic Chemistry	22	1	2	3	1	2	1	1	2	4	1	2	2
p Block elements (15,16,17 & 18)	21	3	1	0	1	4	0	2	3	2	3	2	0
Coordination Compounds	17	2	1	2	1	2	1	1	1	2	2	0	2
Electrochemistry	15	1	1	1	2	1	1	1	2	2	1	1	1
Atomic Structure	14	1	1	2	1	1	1	1	1	1	1	2	1
Chemical Bonding	14	0	1	1	1	1	2	1	2	1	1	1	2
Thermodynamics (C)	14	1	1	1	1	1	3	1	1	1	1	1	1
d and f Block elements	14	1	1	2	1	1	1	2	1	2	0	2	0
Alcohols Phenols and Ethers	14	0	1	2	2	1	1	1	1	0	2	2	1
Mole Concept	13	1	1	1	1	2	1	0	1	0	2	2	1
Metallurgy	13	1	2	1	1	1	1	1	1	1	1	1	1
Amines	13	1	1	1	2	1	2	1	0	2	1	1	0
Biomolecules	13	1	1	0	1	1	2	0	1	1	2	2	1
Chemistry in Everyday Life	13	1	1	2	2	1	2	1	1	0	1	1	0
Solutions	12	1	1	1	1	1	1	2	1	1	0	1	1
Chemical Kinetics	12	1	1	1	1	1	1	1	1	1	1	1	1
s Block elements	11	1	2	1	0	1	1	2	1	0	0	1	1
Hydrocarbons	11	1	2	1	0	0	2	1	2	0	0	1	1
Surface Chemistry	10	1	1	1	0	1	0	1	1	1	1	1	1
Haloalkanes Haloarenes	10	1	1	1	1	0	0	1	0	2	1	0	2
Polymers	10	1	1	0	1	1	0	1	1	1	1	1	1
Aldehydes And Ketones	9	1	0	0	1	2	1	1	0	1	1	0	1
Periodic Properties	8	0	1	0	1	0	1	1	1	1	1	0	1
Environmental Chemistry	8	0	1	1	1	0	0	1	0	1	1	0	2
Stoichiometry	7	1	0	1	1	0	1	0	0	1	1	0	1
Chemical Equilibrium	6	1	1	1	0	0	0	1	0	0	0	0	2
Ionic Equilibrium	6	0	0	0	2	1	0	0	1	0	1	1	0
p Block elements (group 13 & 14)	6	1	0	1	1	1	0	0	0	0	0	1	1
Solid State	6	1	0	1	0	0	1	2	0	1	0	0	0
States of Matter	5	0	1	0	1	1	0	0	1	0	1	0	0
Hydrogen	5	1	1	0	0	0	1	0	0	0	1	1	0
Carboxylic Acid Derivatives	4	1	0	0	0	0	1	0	1	0	0	1	0
Salt Analysis	4	1	0	0	0	0	0	1	1	0	0	0	1

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Section A - Chapter-wise Weightage of Questions

Chapter Name	Total	24 S1	24 S2	25 S1	25 S2	26 S1	26 S2	27 S1	27 S2	28 S1	28 S2	29 S1	29 S2
p Block elements (15,16,17 & 18)	20	3	1	0	0	4	0	2	3	2	3	2	0
General Organic Chemistry	13	0	1	3	1	1	1	0	1	3	1	0	1
Amines	13	1	1	1	2	1	2	1	0	2	1	1	0
Chemistry in Everyday Life	13	1	1	2	2	1	2	1	1	0	1	1	0
Metallurgy	12	1	1	1	1	1	1	1	1	1	1	1	1
Alcohols Phenols and Ethers	12	0	1	2	2	1	1	1	1	0	1	2	0
Chemical Bonding	11	0	1	1	0	1	1	1	2	0	1	1	2
Atomic Structure	10	1	1	1	1	1	1	0	0	0	1	2	1
s Block elements	10	1	2	1	0	1	1	2	0	0	0	1	1
Hydrocarbons	10	0	2	1	0	0	2	1	2	0	0	1	1
Haloalkanes Haloarenes	9	1	0	1	1	0	0	1	0	2	1	0	2
Polymers	9	1	1	0	0	1	0	1	1	1	1	1	1
Periodic Properties	8	0	1	0	1	0	1	1	1	1	1	0	1
Environmental Chemistry	8	0	1	1	1	0	0	1	0	1	1	0	2
Coordination Compounds	8	1	1	1	0	1	0	1	1	1	0	0	1
Aldehydes And Ketones	8	1	0	0	1	2	1	1	0	1	1	0	0
Biomolecules	8	1	0	0	0	0	2	0	1	1	1	1	1
Surface Chemistry	7	1	0	1	0	0	0	1	0	1	1	1	1
d and f Block elements	7	0	0	2	1	0	1	0	1	2	0	0	0
Mole Concept	6	1	1	0	0	1	0	0	0	0	1	1	1
p Block elements (group 13 & 14)	6	1	0	1	1	1	0	0	0	0	0	1	1
Hydrogen	5	1	1	0	0	0	1	0	0	0	1	1	0
Ionic Equilibrium	4	0	0	0	2	0	0	0	0	0	1	1	0
Carboxylic Acid Derivatives	4	1	0	0	0	0	1	0	1	0	0	1	0
Salt Analysis	4	1	0	0	0	0	0	1	1	0	0	0	1
Thermodynamics (C)	3	0	1	0	1	0	0	1	0	0	0	0	0
Electrochemistry	3	0	0	0	1	1	0	0	1	0	0	0	0
States of Matter	2	0	0	0	0	1	0	0	1	0	0	0	0
Chemical Equilibrium	2	1	0	0	0	0	0	0	0	0	0	0	1
Solutions	2	0	0	0	1	0	0	1	0	0	0	0	0
Stoichiometry	1	0	0	0	0	0	1	0	0	0	0	0	0
Solid State	1	0	0	0	0	0	0	0	0	1	0	0	0
Chemical Kinetics	1	0	1	0	0	0	0	0	0	0	0	0	0

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Section B - Chapter-wise Weightage of Questions

Chapter Name	Total	24 S1	24 S2	25 S1	25 S2	26 S1	26 S2	27 S1	27 S2	28 S1	28 S2	29 S1	29 S2
Electrochemistry	12	1	1	1	1	0	1	1	1	2	1	1	1
Thermodynamics (C)	11	1	0	1	0	1	3	0	1	1	1	1	1
Chemical Kinetics	11	1	0	1	1	1	1	1	1	1	1	1	1
Solutions	10	1	1	1	0	1	1	1	1	1	0	1	1
General Organic Chemistry	9	1	1	0	0	1	0	1	1	1	0	2	1
Coordination Compounds	9	1	0	1	1	1	1	0	0	1	2	0	1
Mole Concept	7	0	0	1	1	1	1	0	1	0	1	1	0
d and f Block elements	7	1	1	0	0	1	0	2	0	0	0	2	0
Stoichiometry	6	1	0	1	1	0	0	0	0	1	1	0	1
Solid State	5	1	0	1	0	0	1	2	0	0	0	0	0
Biomolecules	5	0	1	0	1	1	0	0	0	0	1	1	0
Atomic Structure	4	0	0	1	0	0	0	1	1	1	0	0	0
Chemical Equilibrium	4	0	1	1	0	0	0	1	0	0	0	0	1
Chemical Bonding	3	0	0	0	1	0	1	0	0	1	0	0	0
States of Matter	3	0	1	0	1	0	0	0	0	0	1	0	0
Surface Chemistry	3	0	1	0	0	1	0	0	1	0	0	0	0
Ionic Equilibrium	2	0	0	0	0	1	0	0	1	0	0	0	0
Alcohols Phenols and Ethers	2	0	0	0	0	0	0	0	0	0	1	0	1
s Block elements	1	0	0	0	0	0	0	0	1	0	0	0	0
Hydrocarbons	1	1	0	0	0	0	0	0	0	0	0	0	0
Metallurgy	1	0	1	0	0	0	0	0	0	0	0	0	0
p Block elements (15,16,17 & 18)	1	0	0	0	1	0	0	0	0	0	0	0	0
Haloalkanes Haloarenes	1	0	1	0	0	0	0	0	0	0	0	0	0
Aldehydes And Ketones	1	0	0	0	0	0	0	0	0	0	0	0	1
Polymers	1	0	0	0	1	0	0	0	0	0	0	0	0
Periodic Properties	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrogen	0	0	0	0	0	0	0	0	0	0	0	0	0
p Block elements (group 13 & 14)	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental Chemistry	0	0	0	0	0	0	0	0	0	0	0	0	0
Carboxylic Acid Derivatives	0	0	0	0	0	0	0	0	0	0	0	0	0
Amines	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemistry in Everyday Life	0	0	0	0	0	0	0	0	0	0	0	0	0
Salt Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0

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Category A (Cat A) - Single Concept Question
Category B (Cat B) - Mixed Concepts of a Single Chapter
Category C (Cat C) - Mixed Concepts from Multiple Chapters

Chapter-wise Weightage of Questions

Chapter	Total	Cat A	Cat B	Cat C
Mole Concept	13	12	1	0
Atomic Structure	14	12	2	0
Periodic Properties	8	8	0	0
Chemical Bonding	14	12	1	1
States of Matter	5	3	2	0
Thermodynamics (C)	14	7	6	1
Chemical Equilibrium	6	2	4	0
Ionic Equilibrium	6	4	1	1
Stoichiometry	7	4	2	1
Hydrogen	5	4	1	0
s Block elements	11	9	2	0
p Block elements (group 13 & 14)	6	3	2	1
General Organic Chemistry	22	19	2	1
Hydrocarbons	11	7	4	0
Environmental Chemistry	8	8	0	0
Solid State	6	4	1	1
Solutions	12	7	5	0
Electrochemistry	15	11	1	3
Chemical Kinetics	12	10	2	0
Surface Chemistry	10	7	2	1
Metallurgy	13	9	4	0
p Block elements (group 15,16,17 & 18)	21	14	6	1
d and f Block elements	14	8	5	1
Coordination Compounds	17	11	6	0
Haloalkanes Haloarenes	10	4	3	3
Alcohols Phenols and Ethers	14	4	5	5
Aldehydes And Ketones	9	3	4	2
Carboxylic Acid Derivatives	4	2	1	1
Amines	13	5	4	4
Biomolecules	13	8	4	1
Polymers	10	9	1	0
Chemistry in Everyday Life	13	12	1	0
Salt Analysis	4	1	1	2

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Category A (Cat A) - Single Concept Question
Category B (Cat B) - Mixed Concepts of a Single Chapter
Category C (Cat C) - Mixed Concepts from Multiple Chapters

Shift-wise Weightage of Questions

	Cat A	Cat B	Cat C
24 June Shift 1	17	9	4
24 June Shift 2	20	8	2
25 June Shift 1	19	7	4
25 June Shift 2	19	9	2
26 June Shift 1	18	9	3
26 June Shift 2	21	7	2
27 June Shift 1	19	8	3
27 June Shift 2	21	7	2
28 June Shift 1	25	4	1
28 June Shift 2	23	5	2
29 June Shift 1	19	10	1
29 June Shift 2	22	3	5