

NEST 2022 Analysis

Disclaimer: No one can guarantee the accuracy of the questions, these are from our experience. However, our prediction for NEST 2022 was fairly on point.

NEST 2022 Paper analysis

Shift 1

Chapter	Number of Qs	Difficulty level	Our prediction
Ionic Equilibrium	1	Easy to moderate	Predicted
Biomolecules	1	Easy	
Solid state	1	Moderate	
Atomic structure	1	Moderate	
Coordination	2	Easy to moderate	Predicted
Haloalkanes	1	Easy to moderate	Predicted
GOC/Stereochemistry	3	Moderate to hard	Predicted
Thermodynamics/ Gaseous state	3	Moderate to hard	Predicted
Chemical Equilibrium	1	Moderate	
Chemical Kinetics	1	Easy to moderate	
Carbonyl chemistry	1	Moderate	
Chemical Bonding	1	Moderate to hard	Predicted

Overall,

Physical chemistry: 7

Inorganic chemistry: 4

Organic chemistry: 6

From NEST 2022 Shift 1 analysis, we can see that there is not exactly an equal weightage given to all the branches of chemistry with 7 questions seen from physical chemistry and only 4 from inorganic. 6 questions appeared from organic section.

However our suggestion would still be to have a good understanding of all the branches of chemistry and not rely on any particular section as we cannot exactly predict which section might get more weightage in the upcoming year. So preparing every section will ensure that the students are able to tackle any scenario in the exam with ease and confidence.

Shift 2

Chapter	Number of Qs	Difficulty level	Our prediction
Redox	1	Easy	
Chemical Kinetics	1	Easy to moderate	Predicted
S Block	1	Easy to moderate	
Atomic structure	2	Moderate to hard	
Thermodynamics/ Gaseous state	2	Moderate	
Coordination	1	Easy to moderate	Predicted
P Block	2	Easy to moderate	Predicted

GOC/Stereochemistry	1	Moderate to hard	Predicted
Carbonyl chemistry/ Amines	3	Moderate to hard	Predicted
Haloalkanes/ Haloarenes	1	Moderate	
Chemical Kinetics/ Photochemistry	2	Moderate to hard	Predicted

Overall,

Physical chemistry: 7

Organic chemistry: 5

Inorganic chemistry: 5

Here, the weightage is slightly higher for physical chemistry and it is equal for organic and inorganic chemistry. However, our advice remains the same which is to prepare all the sections of chemistry equally and practice more in case a particular section is difficult for a student. But please never overlook or ignore any particular section.

Now, from the analysis of both shifts for NEST 2022, we can conclude that the following are the important chapters:

Chemical Bonding

Hybridization

Geometry and shape of molecules

Bond angles

MOT (Molecular Orbital Theory)

Coordination compounds

Valence Bond Theory

Hybridization

Werner's theory

Crystal field theory
Coordination isomerism

Thermodynamics

Work

1st law

Internal energy

Thermodynamic equilibrium constant

Gibb's free energy

Entropy

GOC (Stereochemistry)

IUPAC Nomenclature

Hybridization in organic compounds.

Electronic effects (Inductive, resonance, hyperconjugation)

Acidity

Basicity

Projection formulas (Sawhorse, Newmann, Fischer)

Carbonyl chemistry

Alcohols

Aldehyde ketones

Amines

Oxidizing and reducing reagents

Chemical Kinetics

Order of reaction

Graphs of rate laws and other representative entities

Arrhenius Equation

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