

# Syllabus Updates for **NEET(UG) 2024**

## **CHEMISTRY**

# SYLLABUS FOR NEET(UG) 2024 - CHEMISTRY



## PHYSICAL CHEMISTRY

CHAPTER	DELETED PORTION	NEWLY ADDED PORTION
Some basic concepts of chemistry	-	-
Atomic Structure	-	Elementary ideas of quantum mechanics, Concept of atomic orbitals as one electron Variation of $\psi$ and $\psi^2$ with $r$ for 1s and 2s orbitals

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## PHYSICAL CHEMISTRY

CHAPTER	DELETED PORTION	NEWLY ADDED PORTION
Equilibrium	-	-
Chemical Thermodynamics	<ul style="list-style-type: none"><li>• Enthalpy of dilution</li><li>• Third law of thermodynamics</li></ul>	-
States of matter	<ul style="list-style-type: none"><li>• Complete chapter is deleted</li></ul>	

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## PHYSICAL CHEMISTRY

CHAPTER	DELETED PORTION	NEWLY ADDED PORTION
Solid state	• Complete chapter is deleted	
Chemical Kinetics	-	-
Solutions	-	• Significance of Van't Hoff factor
Redox reactions and Electrochemistry	Corrosion	-

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## PHYSICAL CHEMISTRY

CHAPTER	NEWLY ADDED PORTION
Practical chemistry	<ul style="list-style-type: none"><li>• The chemistry involved in the titrimetric exercises-Acids, bases and the use of indicators, oxalic acid vs <math>\text{KMnO}_4</math>, Mohr's salt vs <math>\text{KMnO}_4</math></li><li>• Chemical principles involved in the following experiments:<ul style="list-style-type: none"><li>• Enthalpy of solution of <math>\text{CuSO}_4</math></li><li>• Enthalpy of neutralization of strong acid and strong base.</li><li>• Preparation of lyophilic and lyophobic sols.</li><li>• Kinetic study of the reaction of iodide ions with hydrogen peroxide at room temperature.</li></ul></li></ul>

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## INORGANIC CHEMISTRY

CHAPTER	DELETED PORTION	NEWLY ADDED PORTION
Classification of elements and periodicity in properties	-	-
Chemical bonding and molecular structure	-	-
s-block elements	• Complete chapter is deleted	

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## INORGANIC CHEMISTRY

CHAPTER	DELETED PORTION	NEWLY ADDED PORTION
p-block elements	<ul style="list-style-type: none"><li>• Compounds of p-block</li><li>• Method of preparation</li><li>• Properties and their uses</li></ul>	-
d and f block elements	-	-
Co-ordination compounds	-	-
Metallurgy	• Complete chapter is deleted	
Hydrogen	• Complete chapter is deleted	

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## INORGANIC CHEMISTRY

CHAPTER	NEWLY ADDED PORTION
Practical chemistry	<ul style="list-style-type: none"><li>• The chemistry involved in the preparation of the following.</li><li>• Inorganic compound; Mohr's salt, potash alum.</li><li>• Chemical properties involved in the qualitative salt analysis;</li><li>• Cation – <math>\text{Pb}^{2+}</math> <math>\text{Cu}^{+2}</math> <math>\text{Al}^{+3}</math> <math>\text{Fe}^{+3}</math>, <math>\text{Zn}^{+2}</math>, <math>\text{Ni}^{+2}</math> <math>\text{Ca}^{+2}</math>, <math>\text{Ba}^{+2}</math>, <math>\text{Mg}^{+2}</math>, <math>\text{NH}_4^+</math></li><li>• Anions <math>\text{CO}_3^{2-}</math> <math>\text{S}^{2-}</math>, <math>\text{SO}_4^{2-}</math>, <math>\text{NO}_3^-</math>, <math>\text{Cl}^-</math>, <math>\text{Br}^-</math>, <math>\text{I}^-</math> (Insoluble salt excluded)</li></ul>

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## ORGANIC CHEMISTRY

CHAPTER	DELETED PORTION	NEWLY ADDED PORTION
Some Basic principles of organic chemistry	-	-
Hydrocarbon	-	-
Organic compounds containing halogens	-	-
Organic compounds containing Oxygen	-	-

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## ORGANIC CHEMISTRY

CHAPTER	DELETED PORTION	NEWLY ADDED PORTION
Organic compounds containing Nitrogen	-	-
Biomolecules	-	-
Purification and characterisation of organic compounds	-	-

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## ORGANIC CHEMISTRY

CHAPTER	DELETED PORTION	NEWLY ADDED PORTION
Environmental Chemistry	• Complete chapter is deleted	
Polymers	• Complete chapter is deleted	
Chemistry in everyday life	• Complete chapter is deleted	

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## ORGANIC CHEMISTRY

CHAPTER	NEWLY ADDED PORTION
Practical chemistry	<ul style="list-style-type: none"><li>•Detection of extra elements (Nitrogen, Sulphur, halogens) in organic compounds; Detection of the following functional groups; hydroxyl (alcoholic and phenolic), carbonyl (aldehyde and ketones) carboxyl, and amino groups in organic compounds.</li></ul>