

CHANGE IN NEET SYLLABUS: In depth Analysis to benefit prospective students.

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The National Eligibility cum Entrance Test (NEET) is a pivotal examination for medical aspirants across India. In the upcoming NEET-2024, students will encounter significant changes in the syllabus that underscore the importance of conceptual understanding and practical knowledge.

PHYSICS –

In Physics, certain topics have been removed where concepts are repeated in other chapters too. Authorities removed the redundancy of repeated concepts and it's a welcome move. The changes aim to remove repetition and to encourage a more comprehensive grasp of essential concepts.

Deleted Topics from NCERT that are present in NEET UG 2024 are:

- Significant figures, errors in measurements
- Relative Velocity
- Conservation of Mechanical Energy
- Parallel and perpendicular theorems
- Logic Gates

This fact indicates only NCERT preparation is not enough.

List of Deleted Topics from NEET Syllabus 2024 Physics are:

- Rolling Motion
- Reynold's Number
- Heat Engine & Refrigerator
- Forced and Damped Oscillation
- Doppler Effect
- Van de Graaff Generator
- Colour Coding of Resistors
- Potentiometer
- Cyclotron
- Davison-Germer Experiment
- Alpha, Beta, Gamma Decay
- Transistor

CHEMISTRY –

In Chemistry, a substantial portion of the removed topics is from Inorganic Chemistry. However, some of the concepts of these topics are required to understand other topics. So, even if these topics are removed, teachers have to teach some of the concepts to hone other topics. Such concepts are :

| Removed topic | Concept where it is useful |
|----------------------------|---|
| States of matter | Thermodynamics |
| Surface chemistry | Chromatography (Purification of organic compounds), Preparation of Lyophilic and Lyophobic salt(newly added topic) |
| Hydrogen | P-Block(Oxygen Family-reaction with Hydrogen),P-Block Hydrides, S block Hydrides, Interstitial Hydrides, Redox reaction (Oxidising nature of Hydrogen peroxide) |
| Environmental Chemistry | P-Block(Oxygen Family-Ozone layer) |
| Metallurgy | d-Block metals(Alloys) |
| Chemistry in everyday life | Saponification (Preparation of soap & detergents) |

Additionally, practical knowledge has been integrated with the inclusion of salt analysis from the Practical Syllabus.

BIOLOGY –

Biology has witnessed changes aimed at reducing repetition and eliminating cramming-based topics. This enhances the overall quality of the syllabus. Furthermore, new topics have been introduced to diversify the content and provide a more holistic approach to the subject.

Topics added-

- Family Malvaceae, (not in NCERT)
- Family Compositae, (not in NCERT)
- Family Graminae, (not in NCERT)
- Family Cruciferae (not in NCERT)
- Sacred Groves
- Frog

The NEET-2024 syllabus goes beyond the latest NCERT Rationalized edition by including both these updated topics and concepts from earlier versions. The central focus remains on promoting conceptual understanding and the application of these concepts in real-world scenarios.

In light of the changes, it is expected that Physics and Chemistry will include more **Assertion-Reason type questions** and Multiple statement type questions, aligning with the examination's objective of evaluating students' comprehension and analytical skills.

These changes come as part of an ongoing effort to refine the NEET examination and ensure that it remains a robust assessment of medical aspirants' aptitude and knowledge.

For more details and a comprehensive understanding of the NEET-2024 syllabus changes, please refer to the official notification on the NEET website...