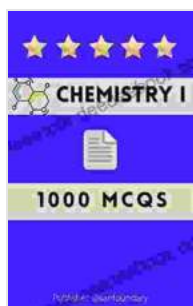


# Engineering Chemistry MCQs AKTU: A Comprehensive Guide

Engineering Chemistry is a fundamental subject in the field of engineering, providing students with a strong foundation in the principles of chemistry and its applications in various engineering disciplines. At the Dr. A.P.J. Abdul Kalam Technical University (AKTU), Engineering Chemistry is an important part of the curriculum for undergraduate engineering students. To prepare for their exams, students often seek practice materials such as multiple-choice questions (MCQs).



## Engineering Chemistry 1 MCQs (AKTU): Sanfoundry: Engineering Chemistry 1 MCQs Unitwise (Sanfoundry) (Study Point) by Nic Saint

★★★★★ 4.5 out of 5

Language	: English
File size	: 1173 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Print length	: 230 pages
Lending	: Enabled



This comprehensive guide presents a detailed overview of Engineering Chemistry MCQs AKTU. It covers various subject-specific topics, provides in-depth explanations, and includes numerous practice questions to aid students in their preparation. By thoroughly understanding the concepts

covered in this guide, students can enhance their knowledge and improve their performance in AKTU Engineering Chemistry exams.

### **Subject-Specific Topics**

- **Chemical Engineering:** This topic encompasses the application of chemical principles to the design, operation, and control of chemical plants and processes. It includes concepts such as reaction kinetics, process design, fluid mechanics, and mass transfer.
- **Materials Science:** This area focuses on the study of the structure, properties, and behavior of materials. It covers topics such as crystallography, thermodynamics of materials, electronic materials, and composites.
- **Thermodynamics:** Thermodynamics deals with the study of energy transformations and their applications in various engineering systems. It involves concepts such as the first law of thermodynamics, the second law of thermodynamics, and the applications of thermodynamics in power plants, refrigeration systems, and chemical reactions.
- **Electrochemistry:** Electrochemistry involves the study of the relationship between electrical energy and chemical reactions. It covers topics such as electrochemical cells, batteries, corrosion, and electroplating.
- **Quantum Chemistry:** Quantum chemistry applies the principles of quantum mechanics to the study of chemical systems. It includes concepts such as wave-particle duality, atomic and molecular orbitals, and molecular spectroscopy.

- **Spectroscopy:** Spectroscopy is the study of the interaction of electromagnetic radiation with matter. It includes techniques such as UV-Vis spectroscopy, IR spectroscopy, and NMR spectroscopy, which are used to identify and characterize chemical compounds.

## Practice Questions

### Question 1

Which of the following is not a type of chemical reactor?

- Batch reactor
- Continuous stirred-tank reactor (CSTR)
- Plug flow reactor (PFR)
- Packed bed reactor
- Fluidized bed reactor
- Batch reactor

**Answer: F**

### Question 2

Which of the following is a thermodynamic property?

- Temperature
- Pressure
- Volume
- Enthalpy

- e. Entropy
- f. All of the above

**Answer: F**

### **Question 3**

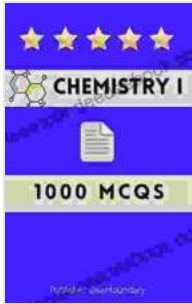
Which of the following is an application of electrochemistry?

- a. Batteries
- b. Fuel cells
- c. Corrosion protection
- d. Electroplating
- e. All of the above
- f. None of the above

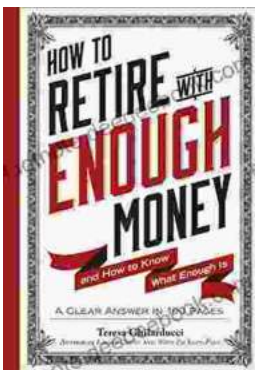
**Answer: E**

This comprehensive guide on Engineering Chemistry MCQs AKTU provides a thorough overview of the subject matter, covering various topics and practice questions. By utilizing this guide, students can effectively prepare for their AKTU Engineering Chemistry exams and enhance their understanding of the fundamental principles of chemistry and its applications in engineering disciplines.

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