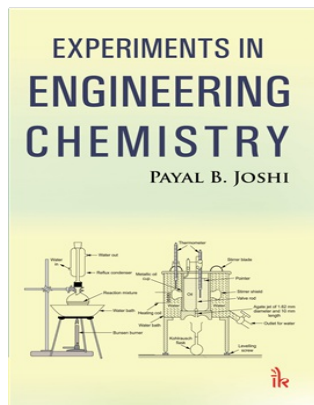


## Experiments In Engineering Chemistry, 1/e

Payal B Joshi



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**About the Book**

The knowledge of chemical analysis, properties and behavior of different materials using various instrumental techniques are parts of engineering. This implies that engineers and technologists dealing with materials must have elementary training in chemistry so as to prepare themselves for the profession. This book presents laboratory experiments for the first year engineering students that can be adapted in almost all the chemistry laboratories across all the universities in the country. It will be a good reference resource for preparing students for chemistry practical examinations. Practical experiments in this book have been prepared keeping in mind the major theory chapters in engineering chemistry. The book is designed as a teaching aid to help communicate simple chemistry experiments to students.

**Salient Features**

- ▶ This book will serve as a handbook to all B.E./B.Tech students to perform chemistry experiments.
- ▶ All the experiments are laboratory-tested and hence are reproducible.
- ▶ A resource for teachers planning to design novel experiments in the laboratory catering to the first year engineering students.
- ▶ Experiments provided in this book range from non-instrumental to specialized instrumental techniques.
- ▶ Novel experiments on polymers, nanomaterials and green chemistry are included. Special emphasis on the precautions to be taken while conducting the experiments is provided; use of cost-effective, lesser toxic chemicals and reagents is added for each experiment.
- ▶ Viva voce questions are presented covering all the experiments to help students prepare for the oral/practical examinations.

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