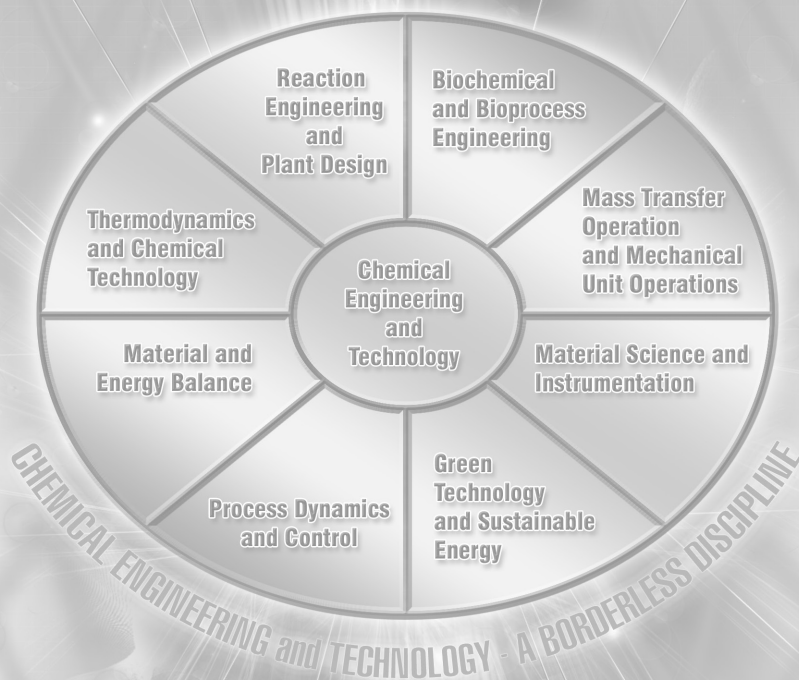


# Teasers of Chemical Engineering and Technology





# Teasers of Chemical Engineering and Technology

**POGAKU RAVINDRA**

**PENERBIT UNIVERSITI MALAYSIA SABAH**

Kota Kinabalu • Sabah • Malaysia

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# CONTENTS

<b>Foreword</b>	<b>ix</b>
<b>Preface</b>	<b>x</b>
<b>Acknowledgements</b>	<b>xi</b>
<b>1 CHEMICAL TECHNOLOGY</b>	<b>1</b>
1.1 Basic Principles	1
1.2 Material Technology	9
1.3 Chemical Industry	12
1.4 Petroleum Technology	26
1.5 Catalyst Technology	32
1.6 Environmental Technology	32
1.7 Food Technology	33
1.8 Instrumentation	33
Answers	35
<b>2 THERMODYNAMICS</b>	<b>39</b>
2.1 Basic Concepts	39
2.2 Substances Properties and Energy	45
2.3 Chemical and Phase Equilibrium	48
2.4 Gas Vapour Mixture and Air-conditioning	51
Answers	52
<b>3 FLUID MECHANICS</b>	<b>55</b>
3.1 Basic Principles and Properties	55
3.2 Fluid Dynamics	66
3.3 Pressure, Measurement and Instrumentation	70
3.4 Flow through Pipe	83
3.5 Viscous Flow	86
Answers	88
<b>4 HEAT TRANSFER</b>	<b>91</b>
4.1 Basic Concepts	91
4.2 Heat Conduction	101
4.3 Heat Convection	103
4.4 Heat Radiation	103
4.5 Boiling and Condensation	104
4.6 Heat Exchangers	109
Answers	112

<b>5</b>	<b>MASS TRANSFER AND SEPARATION PROCESS</b>	<b>115</b>
5.1	Principles of Mass Transfer	115
5.2	Drying of Process Materials	122
5.3	Gas-Liquid Separation	123
5.4	Vapour-Liquid Separation	130
5.5	Liquid-Liquid Separation	141
	Answers	143
<b>6</b>	<b>CHEMICAL REACTION ENGINEERING</b>	<b>145</b>
6.1	General Chemical Reaction Principles	145
6.2	Homogeneous Reaction in Ideal Reactors	150
6.3	Catalyst and Flow Patterns	155
	Answers	155
<b>7</b>	<b>MECHANICAL UNIT OPERATION</b>	<b>157</b>
7.1	Units and Principles	157
7.2	Particle Tech	158
7.3	Separation Tech	162
7.4	Heating and Drying Tech	165
	Answers	166
<b>8</b>	<b>PROCESS DYNAMICS AND CONTROL</b>	<b>169</b>
8.1	Dynamic Behaviour of Processes	169
8.2	Feedback and Feed Forward Control	174
	Answers	176
	<b>IMPORTANT INFORMATION FOR CHEMICAL ENGINEERS</b>	<b>177</b>

**Dedication**

*My graceful granddaughter*  
*“AARADHYA” of SWETA ARJUN*





# FOREWORD

**T**his book takes a fresh look at the objective view of chemical engineering courses. The book guides the users to enhance their knowledge and skills in the field of chemical engineering. Students will find the blend of academic and practical questions very helpful and teachers will welcome the novel way of testing the students by each teaser.



I understand that the special feature of the book is that the questions of all the exercises are based on real-life industrial situations in which I strongly believe the users would find it very handy in taking competitive exams, attending interviews and a ready-guide to practising professionals. This book covers most of the areas of chemical engineering, few subjects of food technology, biotechnology and other allied areas.

**PROF. DATUK DR MOHD. HARUN ABDULLAH**

Vice Chancellor  
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December 2015

# PREFACE

Let me express my gratitude to the readers of this book for their appreciation and overwhelming response. Their encouragement and support compelled me to publish second edition of the Teasers of Chemical Engineering book. This book has been written in view of the dire necessity of students and practising professionals of chemical engineering. The questions are innovative in their own way. The users would find it very handy in taking competitive exams, attending interviews and a ready-guide to practising professionals. This book covers most of the areas of chemical engineering, and other allied areas. Most normal textbooks used by chemical engineering, food engineering and biochemical engineering students are lack in adequate multiple-choice questions. For a better understanding of the subject, analytical ability and reasoning are key factors. Hence, this teasers of chemical engineering book would be beneficial to readers.

I hope that the structure and content will help students to master this challenging material for both their exams and their subsequent chemical engineering profession practice. This book could, therefore, be the first of its kind to bear a title like Teasers of Chemical Engineering and also to give a fully comprehensive treatment of this topic under different brain-teasing exercises. One of the special features of the book is that the questions of all the exercises are based on real-life industrial situations.

All experienced teachers turn to student-generated explanations for the best insight into what really needs to be taught. The students over the years have provided me with such teaching insights through the years.

There might be some inevitable errors which, despite all efforts may have escaped attention. I shall be obliged to those who point out such errors and suggest measures for the improvement of this book. I once again solicit suggestions and criticisms from our eminent readers which are the exclusive means of inspiration to me.

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