

CHEMISTRY PAPER 1 (THEORY)

Maximum Marks: 70

Time Allowed: Three hours

*Candidates are allowed additional 15 minutes for only reading the paper.
They must NOT start writing during this time.*

This paper is divided into four sections – A, B, C and D.

Answer all questions.

Section A consists of one question having sub-parts of one mark each.

Section B consists of ten questions of two marks each.

Section C consists of seven questions of three marks each, and

Section D consists of three questions of five marks each.

Internal choices have been provided in one question each in Section B,

Section C and Section D.

All working, including rough work, should be done on the same sheet as, and adjacent to the rest of the answer.

The intended marks for questions or parts of questions are given in brackets [].

Balanced equations must be given wherever possible and diagrams where they are helpful.

When solving numerical problems, all essential working must be shown.

In working out problems, use the following data:

Gas constant $R = 1.987 \text{ cal deg}^{-1} \text{ mol}^{-1} = 8.314 \text{ JK}^{-1} \text{ mol}^{-1}$

$= 0.0821 \text{ dm}^3 \text{ atm K}^{-1} \text{ mol}^{-1}$

$1 \text{ l atm} = 1 \text{ dm}^3 \text{ atm} = 101.3 \text{ J}$ $1 \text{ Faraday} = 96500 \text{ coulombs}$.

Avogadro's number $= 6.023 \times 10^{23}$.

SECTION A – 14 MARKS

Question 1

- (A) Fill in the blanks by choosing the appropriate word(s) from those given in the [4×1]
brackets:

[stable, low, aldehyde, unstable, 6, 4, ethane, Clemmensen's, 2, 3, carboxylic acid, high, propane, Rosenmund's]

- (i) The primary alcohols are easily oxidised first into _____ and then into _____.
- (ii) The intermediate activated complex in a chemical reaction is highly _____ due to _____ energy.
- (iii) The coordination number and oxidation state of the complex $\text{K}_4[\text{Fe}(\text{CN})_6]$ are _____ and _____ respectively.
- (iv) Propanone on reaction with zinc-amalgam in presence of conc. HCl gives _____ and the reaction is known as _____ reduction.

This Paper consists of 8 printed pages.

Turn over

Answers Of Board Questions Chemistry 2nd Paper

M Lipman



Answers Of Board Questions Chemistry 2nd Paper:

The book delves into Answers Of Board Questions Chemistry 2nd Paper. Answers Of Board Questions Chemistry 2nd Paper is an essential topic that needs to be grasped by everyone, from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Answers Of Board Questions Chemistry 2nd Paper, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:

- Chapter 1: Introduction to Answers Of Board Questions Chemistry 2nd Paper
- Chapter 2: Essential Elements of Answers Of Board Questions Chemistry 2nd Paper
- Chapter 3: Answers Of Board Questions Chemistry 2nd Paper in Everyday Life
- Chapter 4: Answers Of Board Questions Chemistry 2nd Paper in Specific Contexts
- Chapter 5: Conclusion

2. In chapter 1, this book will provide an overview of Answers Of Board Questions Chemistry 2nd Paper. This chapter will explore what Answers Of Board Questions Chemistry 2nd Paper is, why Answers Of Board Questions Chemistry 2nd Paper is vital, and how to effectively learn about Answers Of Board Questions Chemistry 2nd Paper.
3. In chapter 2, this book will delve into the foundational concepts of Answers Of Board Questions Chemistry 2nd Paper. The second chapter will elucidate the essential principles that need to be understood to grasp Answers Of Board Questions Chemistry 2nd Paper in its entirety.
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5. In chapter 4, this book will scrutinize the relevance of Answers Of Board Questions Chemistry 2nd Paper in specific contexts. The fourth chapter will explore how Answers Of Board Questions Chemistry 2nd Paper is applied in specialized fields, such as education, business, and technology.
6. In chapter 5, the author will draw a conclusion about Answers Of Board Questions Chemistry 2nd Paper. The final chapter will summarize the key points that have been discussed throughout the book.
- The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Answers Of Board Questions Chemistry 2nd Paper.

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