

ACS Final Exam Practice 1

The exam is 70 questions in 110 minutes. You may use the equation sheet and periodic table but no other materials

Section 1 Foundations

PQ-1. The speed of light is  $3.0 \times 10^8 \text{ m}\cdot\text{s}^{-1}$ . What is this speed in  $\text{nm}\cdot\text{ms}^{-1}$ ?

- (A)  $3.0 \times 10^{-1} \text{ nm}\cdot\text{ms}^{-1}$  (B)  $3.0 \times 10^2 \text{ nm}\cdot\text{ms}^{-1}$  (C)  $3.0 \times 10^{14} \text{ nm}\cdot\text{ms}^{-1}$  (D)  $3.0 \times 10^{23} \text{ nm}\cdot\text{ms}^{-1}$

PQ-4. What is the correctly reported mass of water based on the data in the table?

Mass of beaker and water	29.62 g
Mass of beaker only	28.3220 g

- (A) 1.3 g (B) 1.30 g (C) 1.298 g (D) 1.2980 g

PQ-5. What is the name of  $\text{Ti}_2(\text{PO}_4)_3$ ?

- (A) titanium phosphate (B) titanium(III) phosphate  
(C) titanium(IV) phosphate (D) titanium tetraphosphate

PQ-6. The formula of strontium hexafluorosilicate is  $\text{SrSiF}_6$ . What is the formula of aluminum hexafluorosilicate?

- (A)  $\text{AlSiF}_6$  (B)  $\text{Al}_2(\text{SiF}_6)_3$  (C)  $\text{Al}_2\text{SiF}_6$  (D)  $\text{Al}_2(\text{SiF}_6)_2$

PQ-8. What is the correct name for  $\text{N}_2\text{O}_5$ ?

- (A) nitrogen(II) oxide (B) nitrogen(V) oxide  
(C) dinitrogen oxide (D) dinitrogen pentoxide

PQ-12. If a palladium nanoparticle has a density of  $12.0 \text{ g}\cdot\text{cm}^{-3}$ , what is the mass of a nanoparticle with a volume of  $1.84 \times 10^{-23} \text{ cm}^3$ ?

- (A)  $2.21 \times 10^{-23} \text{ g}$  (B)  $1.63 \times 10^{-20} \text{ g}$  (C)  $6.52 \times 10^{-21} \text{ g}$  (D)  $1.53 \times 10^{-22} \text{ g}$

# 70 Question Chemistry Final Exam Answers

**Joacim Rocklöv**



## 70 Question Chemistry Final Exam Answers:

Encyclopedia of Chemical Processing and Design John J. McKetta Jr, 1993-06-02 Written by engineers for engineers with over 150 International Editorial Advisory Board members this highly lauded resource provides up to the minute information on the chemical processes methods practices products and standards in the chemical and related industries 114

*Topic-wise Quantitative Aptitude & Data Interpretation Previous Year Question Bank for IBPS/ SBI/ RRB/ RBI Bank Clerk/ PO Prelim & Main Exams (2010 - 2024) 8th Edition | 100% Solved Quant & DI PYQs* Disha Experts, 2024-05-02 The thoroughly revised updated 8th edition 114 Quantitative Aptitude Data Interpretation Topic wise Previous Year Solved Papers for IBPS SBI Bank PO Clerk Prelim Main Exams 2010 23 consists of past solved papers for Prelim and Main Exams of Banks IBPS PO IBPS Clerk SBI PO SBI Clerk IBPS RRB PO IBPS RRB Office Assistant RBI Assistant and IBPS SBI Specialist Officer from 2010 to 2024 The coverage of the papers has been kept RECENT 2010 to 2024 as they actually reflect the changed pattern of the Banking exams Thus the papers prior to 2010 have not been included in the book In all there are 114 Question Papers having 4700 Questions from 2010 to 2024 which have been divided into 15 Topics with detailed solutions Practicing these questions aspirants will come to know about the pattern and toughness of the questions asked in the bank examinations In the end this book will make the aspirants competent enough to crack the these Entrance Examination with good score The strength of the book lies in the originality of its question papers and Errorless Solutions The solution of each and every question is provided in detail step by step so as to provide 100% concept clarity to the students *The Hidden Curriculum - Faculty Made Tests in Science* Sheila Tobias, 1997 **Quantitative Aptitude & Data Interpretation Topic-wise Solved Papers for IBPS/ SBI Bank PO/ Clerk Prelim & Main Exams (2010-20) 4th Edition** Disha Experts, 2020-04-18

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are already worked out This fifth edition features instructions and descriptions for running statistical tests using the personal computer and the software program SPSS The text also includes expanded coverage of qualitative data collection methods Smaller changes include more information on the ethical requirements for researchers and discussion of the use of meta analysis and techniques for employing a wider range of research designs      **Mining Herald and Colliery Engineer** ,1894

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**The American Bookseller** ,1886      Aqa Gcse Chemistry Revision Exam Practice Student Book Sue Orwin,2020-07-16

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