

PHYSICAL CHEMISTRY

(Complete Syllabus)

SECTION - A

Straight Objective Type

This section contains 220 multiple choice questions. Each question has 4 choices (1), (2), (3) and (4), out of which **ONLY ONE** is correct.

Choose the correct answer :

- The mass of oxygen required to produce enough CO which completely reduces x gm of Fe_2O_3 . Suppose molecular weight of $\text{O}_2 = y$, molecular weight of $\text{Fe}_2\text{O}_3 = z$
(1) $\frac{2xz}{3y}$ (2) $\frac{3xy}{2z}$
(3) $\frac{2y}{3xz}$ (4) $\frac{3z}{2xy}$
- The number of lone pair of electrons present in 2.56 gm of orthorhombic sulphur will be
(1) 0.02 N_0 (2) 0.16 N_0
(3) 0.32 N_0 (4) 0.08 N_0
- A 10.0 g of sample of mixture of calcium chloride and sodium chloride is treated with Na_2CO_3 to precipitate the calcium as calcium carbonate. This CaCO_3 is heated to convert all calcium to CaO and final mass of CaO is 1.62 gms. The % by mass of CaCl_2 in the original mixture is
(1) 15.2%
(2) 32.1%
(3) 21.8%
(4) 11.07%
- 1000 ml of oxygen at STP were passed through an ozoniser and the resulting volume was 888 ml at STP. This quantity of ozonised oxygen is passed through excess of KI solution. The weight of I_2 liberated is
(1) 25.4 g (2) 12.7 g
(3) 2.54 g (4) 1.27 g
- x_1 ml solution having normality 1 is diluted to get a solution of normality y_2 . What would be volume required for dilution?
(1) $x_1 \left(1 - \frac{y_1}{y_2}\right)$ (2) $x_1 \left(\frac{y_2}{y_1} - 1\right)$
(3) $x_1 \left(\frac{y_1}{y_2} - 1\right)$ (4) $x_1 \left(1 + \frac{y_1}{y_2}\right)$
- 1.625 g of an interhalogen compound ICl_x was subjected to electric discharge which split it into constituents and brought to STP. It occupied 112 ml. The interhalogen compound is
(1) ICl (2) ICl_3
(3) ICl_5 (4) ICl_7
- If 12.25 g of a sample of KClO_3 of 75% purity and rest vapourisable impurities is strongly heated to give KCl , KClO_4 and 0.32 gm O_2 . The mass of residue obtained is
(1) 1.769 g (2) 7.096 g
(3) 5.327 g (4) 8.85 g
- A 2 g sample of xenon reacts with fluorine. The mass of compound produced is 3.158 g. The empirical formula of the compound is
(1) XeF_2 (2) XeF_4
(3) XeF_6 (4) XeF_8
- 1 g of carbonate of metal was dissolved in 25 ml of 1 N HCl . The resulting liquid required 5 ml of 1 N NaOH for neutralisation. The equivalent weight

Zimsec Questions On Advanced Level Physical Chemistry

M.M.L. Oblitas



Zimsec Questions On Advanced Level Physical Chemistry:

Sociology A-Level (ZIMSEC) Past Exam Questions and Model Answers David Chitane, 2024-06-06 This book contains the most comprehensive question bank and model answers for ZIMSEC A Level exam questions It also includes syllabus review notes and exercises Examiners provide observations and tips and point out common errors that students make when answering questions If you use this book faithfully you can't fail and the Grade A is very much within your reach

School Science Practical Work in Africa Umesh Ramnarain, 2020-06-01 School Science Practical Work in Africa presents the scope of research and practice of science practical work in African schools It brings together prominent science educators and researchers from Africa to share their experience and findings on pedagogical innovations and research informed practices on school science practical work The book highlights trends and patterns in the enactment and role of practical work across African countries Practical work is regarded as intrinsic to science teaching and learning and the form of practical work that is strongly advocated is inquiry based learning which signals a definite paradigm shift from the traditional teacher dominated to a learner centered approach The book provides empirical research on approaches to practical work contextual factors in the enactment of practical work and professional development in teaching practical work This book will be of great interest to academics researchers and post graduate students in the fields of science education and educational policy

Science Teachers Association of Nigeria Science Teachers Association of Nigeria. Annual Conference, 2002* **Proceedings of the ... Annual Conference and ... Conference of CASTME Africa** Science Teachers Association of Nigeria. Conference, 2002 **Physical Chemistry** M.M.L. Oblitas, 1971 *Physical Chemistry: A Level Multiple Choice Questions* Margaret Marion Langley Oblitas, 1970-01-01 **Revision Notes for Advanced Level**

Physical Chemistry David Gwyn Davies, 1968-01-01 Multiple Choice Questions in A-level Chemistry B. P. Bourne, 1969

Physical Chemistry Robert S. Lowrie, 1972 **Physical Chemistry** M.M.L. Oblitas, 1977 **Revision Notes in Advanced Level Chemistry: Physical chemistry** Albert Holderness, 1978 Using Your Chemistry Comprehension Questions for Advanced Level Peter Scott, Chiltern Society Staff, 1994-12-01 *McGraw-Hill's 500 Physical Chemistry Questions: Ace Your College Exams* Richard H. Langley, 2012-12-12 500 Ways to Achieve Your Best Grades We want you to succeed on your physical chemistry midterm and final exams That's why we've selected these 500 questions to help you study more effectively use your preparation time wisely and get your best grades These questions and answers are similar to the ones you'll find on a typical college exam so you will know what to expect on test day Each question includes explanations for right and wrong answers for your full understanding of the concepts Whether you have been studying all year or are doing a last minute review McGraw Hill's 500 Physical Chemistry Questions will help you achieve the final grade you desire Sharpen your subject knowledge and build your test taking confidence with 500 essential physical chemistry questions with answers Explanations for every answer Coverage of physical chemistry from ethical theory to epistemology **Physical Chemistry**

for Advanced Level G. C. E., and Ordinary National Certificate Clifford George Silcocks,1966 **Physical Chemistry for Advanced Level G.C.E. and T.E.C. Level I, II, and III** Clifford George Silcocks,1980 **Using Your Chemistry** Peter Scott,1990 A collection of answers to the comprehension questions asked in the companion volume Using Your Chemistry The series is suitable for those studying chemistry for A level Scottish Higher and Certificate of Sixth Year Studies

Revision notes in advanced level chemistry. Vol. 3 Albert Holderness,1968 **Problems and Solutions:** Kalidas C,2020-12 This book presents an extensive collection of diverse types of worked out examples practice problems and multiple choice questions The aim is to gain adequate expertise in solving a variety of numerical conceptual and descriptive questions The level of questions ranges from the fundamental to the advanced with the hope that the book will be found useful by a wide spectrum of students at all levels The book is primarily intended as a companion to textbooks in physical chemistry The incorporation of different types of multiple choice questions will aid the student to comprehend the subtle aspects of each topic Salient Features This book covers all the main topics of physical chemistry at the undergraduate and post graduate levels includes essential theoretical aspects required for problem solving provides 544 worked out problems 351 practice problems with solutions 508 multiple choice questions with answers covers the CBCS UGC syllabus authored by eminent professors from IIT aids preparation for competitive examinations such as CSIR UGC NET GATE and JAM includes solved question papers of CSIR UGC NET GATE and JAM provides access to an App for revision on your Android mobile phone

Objective Questions in Advanced Level Chemistry Edgar William Jenkins,1979 **Physical Chemistry** C. G. Silcocks,1966

The Top Books of the Year Zimsec Questions On Advanced Level Physical Chemistry The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous captivating novels captivating the hearts of readers worldwide. Lets delve into the realm of top-selling books, exploring the engaging narratives that have charmed audiences this year. The Must-Read : Colleen Hoover's "It Ends with Us" This heartfelt tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover expertly weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can succeed. Zimsec Questions On Advanced Level Physical Chemistry : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This captivating historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids absorbing storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Discover the Magic : Delia Owens "Where the Crawdads Sing" This mesmerizing coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens weaves a tale of resilience, survival, and the transformative power of nature, entrancing readers with its evocative prose and mesmerizing setting. These bestselling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of engaging stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is an exceptional and gripping novel that will keep you wondering until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

<http://www.frostbox.com/About/book-search/Documents/The%20Little%20Office%20Of%20Our%20Lady.pdf>

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