# 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 cal deg' mot' = 8.314 JK' mot' = 0.0821 dm' atm K'mot'

I I atm = I dm3 atm = 1013 J. I Faraday = 96500 coulombs.

Avogadro's number =  $6.023 \times 10^{19}$ .

#### SECTION A – 14 MARKS

#### Ouestion 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 exidation state of the complex K<sub>4</sub>[Fe(CN)<sub>6</sub>] 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

# **May June 2waec Chemistry Question Paper**

**Ransford Tetteh** 

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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

Corruption and Teacher Education in Nigeria ,2003\*

Jos Educational Forum ,2009

Annual Conference Proceedings Science Teachers Association of Nigeria. Conference, 2006 Nigerian Journal of Science and Educational Research ,2007 West Africa ,1993 Ouestions in chemistry and natural philosophy, given at the matriculation examination, from 1864 to June 1873. Classified by C.J. Woodward. From 1864 to Jan. 1881. Containing Proceedings of the ... Annual Conference and ... Conference of CASTME answers London univ, exam. papers, 1881 **Africa** Science Teachers Association of Nigeria. Conference,2004 Refocusing Research in Science, Technology, and Mathematics (STM) Education Science Teachers Association of Nigeria. Annual Conference, 2004 **Daily Graphic** Ransford Tetteh, 2011-02-23 **Tell** ,2005 **Annual Report** University of Ghana, 2003 **Iournal of Research in** Curriculum ,1985 Time Will Tell Yemi Elegunde, 2014-01-02 From the bright lights of London's Holland Park into the power cuts and very rural life of Lagos state in Nigeria all in the blink of an eye This is the true story of a family torn apart by International Parental Child Abduction In September 1973 Yemi was just seven years old when he and his younger sister were taken away from England by their dad without their mum s knowledge or consent They lived and grew up in Nigeria for over fourteen years where the only communication they had with their mum was by letters Without social media computers or mobile phones how does a mother track down her missing children How do the children adapt to the sudden change of lifestyle This is the story of the events through the eyes of that seven year old child from the moment he realised he was in a different country Yemi relates the stark change of culture the new family and the voyage of self discovery The book covers his roller coaster young life of apprehensions and ecstasy his rebellions and his loves It follows his anger as he grew from boy to teenager and his eventual reconciliation with himself and his parents What kind of man would that boy grow up to be Time Science Education International ,2001 Will Tell Featured in The Bookseller Research and Development in Nigeria Journal of Qualitative Education ,2006-05 J. Y. Maiyaki, C. I. Okeke, 2002 West African Journal of Education ,1964

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# **Table of Contents May June 2waec Chemistry Question Paper**

- 1. Understanding the eBook May June 2waec Chemistry Question Paper
  - The Rise of Digital Reading May June 2waec Chemistry Question Paper
  - Advantages of eBooks Over Traditional Books
- 2. Identifying May June 2waec Chemistry Question Paper
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an May June 2waec Chemistry Question Paper
  - User-Friendly Interface
- 4. Exploring eBook Recommendations from May June 2waec Chemistry Question Paper
  - Personalized Recommendations
  - May June 2waec Chemistry Question Paper User Reviews and Ratings
  - May June 2waec Chemistry Question Paper and Bestseller Lists

- 5. Accessing May June 2waec Chemistry Question Paper Free and Paid eBooks
  - May June 2waec Chemistry Question Paper Public Domain eBooks
  - May June 2waec Chemistry Question Paper eBook Subscription Services
  - May June 2waec Chemistry Question Paper Budget-Friendly Options
- 6. Navigating May June 2waec Chemistry Question Paper eBook Formats
  - ∘ ePub, PDF, MOBI, and More
  - May June 2waec Chemistry Question Paper Compatibility with Devices
  - May June 2waec Chemistry Question Paper Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of May June 2waec Chemistry Question Paper
  - Highlighting and Note-Taking May June 2waec Chemistry Question Paper
  - o Interactive Elements May June 2waec Chemistry Question Paper
- 8. Staying Engaged with May June 2waec Chemistry Question Paper
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers May June 2waec Chemistry Question Paper
- 9. Balancing eBooks and Physical Books May June 2waec Chemistry Question Paper
  - ∘ Benefits of a Digital Library
  - Creating a Diverse Reading Collection May June 2waec Chemistry Question Paper
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine May June 2waec Chemistry Question Paper
  - Setting Reading Goals May June 2waec Chemistry Question Paper
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of May June 2waec Chemistry Question Paper
  - Fact-Checking eBook Content of May June 2waec Chemistry Question Paper
  - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks
- 14. Embracing eBook Trends
  - Integration of Multimedia Elements
  - Interactive and Gamified eBooks

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