

**SECTION "A" (MULTIPLE CHOICE QUESTIONS)**

**1. Choose the correct answer for each from the given options: (17)**

- (i) The sum of the mole fractions of solute and solvent is equal to: (a) 3 (b) 2 (c) 1 (d) 0
- (ii) The process in which a solid directly changes into vapours is known as: (a) Sublimation (b) Evaporation (c) Boiling (d) Melting
- (iii) Which one of the following is not an isotope of Hydrogen? (a)  ${}^1_1\text{H}$  (b)  ${}^2_1\text{H}$  (c)  ${}^3_1\text{H}$  (d)  ${}^4_1\text{H}$
- (iv) The medal given to the third position holder in any event is made up of: (a) Gold (b) Silver (c) Bronze (d) Brass
- (v) In the Periodic Table, the elements have been arranged in the order of increasing: (a) Atomic Number (b) Mass Number (c) Chemical Reactivity (d) Density
- (vi) Who discovered oxygen? (a) J. Black (b) J. Priestly (c) Scheele (d) Cavendish
- (vii) Which particle is the lightest in the following? (a) Electron (b) Proton (c) Neutron (d) Alpha Particle
- (viii) Which one of the following is a liquid metal? (a) Gold (b) Silver (c) Mercury (d) Bromine
- (ix) What is the pH of a neutral solution? (a) 0 (b) 1 (c) 7 (d) 14
- (x) How many coulombs are there in one faraday? (a) 96600 (b) 96500 (c) 96650 (d) 96800
- (xi) The number of moles of solute dissolved in one litre of solution is known as: (a) Molarity (b) Molality (c) Solubility (d) Normality
- (xii) A formula that indicates the actual number and type of atoms in a molecule, is called: (a) Empirical Formula (b) Molecular Formula (c) Formula Mass (d) Molecular Mass
- (xiii) Which one of the following gases is used for respiration? (a) Oxygen (b) Hydrogen (c) Helium (d) Nitrogen

**34**~~XXXXXXXXXXXXXXXXXXXX~~

- (xiv) Which of the following is a polar molecule? (a)  $\text{O}_2$  (b)  $\text{H}_2$  (c)  $\text{Cl}_2$  (d)  $\text{H}_2\text{O}$
- (xv) Which of the following elements is a good conductor of heat and electricity? (a) Carbon (b) hydrogen (c) Chlorine (d) Copper
- (xvi) Which of the following substances is called proton donor? (a) acids (b) bases (c) salts (d) none of them
- (xvii) The chemical formula of Sulphuric Acid is: (a)  $\text{HCl}$  (b)  $\text{HNO}_3$  (c)  $\text{HSO}_4$  (d)  $\text{H}_2\text{SO}_4$

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**JE Gale**



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## **Table of Contents Ocr Past Paper Chemistry 2011**

1. Understanding the eBook Ocr Past Paper Chemistry 2011
  - The Rise of Digital Reading Ocr Past Paper Chemistry 2011
  - Advantages of eBooks Over Traditional Books
2. Identifying Ocr Past Paper Chemistry 2011
  - 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 Ocr Past Paper Chemistry 2011
  - User-Friendly Interface
4. Exploring eBook Recommendations from Ocr Past Paper Chemistry 2011
  - Personalized Recommendations
  - Ocr Past Paper Chemistry 2011 User Reviews and Ratings
  - Ocr Past Paper Chemistry 2011 and Bestseller Lists
5. Accessing Ocr Past Paper Chemistry 2011 Free and Paid eBooks
  - Ocr Past Paper Chemistry 2011 Public Domain eBooks
  - Ocr Past Paper Chemistry 2011 eBook Subscription Services
  - Ocr Past Paper Chemistry 2011 Budget-Friendly Options
6. Navigating Ocr Past Paper Chemistry 2011 eBook Formats

- ePub, PDF, MOBI, and More
- Ocr Past Paper Chemistry 2011 Compatibility with Devices
- Ocr Past Paper Chemistry 2011 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Ocr Past Paper Chemistry 2011
  - Highlighting and Note-Taking Ocr Past Paper Chemistry 2011
  - Interactive Elements Ocr Past Paper Chemistry 2011
- 8. Staying Engaged with Ocr Past Paper Chemistry 2011
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Ocr Past Paper Chemistry 2011
- 9. Balancing eBooks and Physical Books Ocr Past Paper Chemistry 2011
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Ocr Past Paper Chemistry 2011
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Ocr Past Paper Chemistry 2011
  - Setting Reading Goals Ocr Past Paper Chemistry 2011
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Ocr Past Paper Chemistry 2011
  - Fact-Checking eBook Content of Ocr Past Paper Chemistry 2011
  - 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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