

## 1: JAMB syllabus – www.enganchecubano.com

*JAMB Syllabus For Chemistry PDF* The aim of this Unified Tertiary Matriculation Examination (UTME) syllabus in Chemistry is to prepare the candidates for the Board's examination. It is designed to test their achievement of the course objectives, which are to.

**Biology** All candidates who want to go through the biology test must show excellent knowledge of the concepts of the unity and interdependence of life. Candidates will also show the application of biological principles into the everyday life. **Chemistry** The main object of the JAMB syllabus for Chemistry is to provide the sufficient knowledge of candidates in the spheres, like chemistry scientific data, history, the relationship between history and science. **Commerce** The main idea for the Commerce tests is to examine the knowledge of the candidates in the commercial sphere. **Christian religion** The Christian religion is one of the main religions in Nigeria. Therefore, students who want to pass these tests should show the knowledge connected with Christian Faith and Christian history. Students should also understand and provide the interpretation religious themes in Bible. **Economics** JAMB syllabus on economics is another necessary test for candidates! The aim of the economic syllabus is to provide the achievement of students in the area of economics. It means the understanding of basic economic concepts and general application of basic economic principles. Students should also identify various economic units and institutions of the country. **French** Students who want to show their knowledge in the French language must go through the course of tests. These tests should show the general understanding of students about French grammar and syntaxes. Moreover, students should show skills in writing, listening comprehension, grammar, speaking, and communication. **Geography** Geography is also one of the most popular topics for studying in Universities. Therefore, students who want to pass the geography tests should show the excellent knowledge in the interpretation of geographical maps, diagrams, and statistical data. **Government** The main idea of this test is connected with the political development of the government. Therefore, students should show the excellent knowledge in the definition of the government, the framework of the government institutions and their role to play for the country. **Hausa Language** The Hausa language is one of the main languages in Nigeria. Students who want to achieve a high score at the test should show the basic understanding of Hausa language and its history. Moreover, its necessary to show excellent knowledge of grammar, writing, listening comprehension and speaking. Students should show excellent knowledge of major historical events and provide the evidence of these events on Nigeria today. Students need to show the development and modernization of history. JAMB syllabus for Mathematics is presented to show the knowledge of candidates in the following areas:

## 2: Physics Jamb Syllabus | Updated Jamb syllabus for physics

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Kinetic theory of matter and Gas Laws a An outline of the kinetic theory of matter, melting, vapourization and reverse processes; melting and boiling explained in terms of molecular motion and Brownian movement. Atomic structure and bonding a i The concept of atoms, molecules and ions, the works of Dalton, Milikan, Rutherford, Mosely, Thompson and Bohr. Simple hydrogen spectrum, Ionization of gases illustrating the electron as fundamental particle of matter. Shapes of s and p orbitals. The variation of the following properties should be noticed: Electrovalency and covalency, the electron configuration of elements and their tendency to attain the noble gas structure. Simple equations, uses and applications of natural and artificial Radioactivity. Air The usual gaseous constituents - nitrogen, oxygen, water vapour, carbon IV oxide and the noble gases argon and neon , proportion of oxygen in the air e. Water Composition by volume: Water as a product of the combustion of hydrogen. Hard and soft water. Temporary and permanent hardness and methods of softening hard water Purification of town water supplies. Water of crystallization, efflorescence, deliquescence and hygroscopy. Solubility a Unsaturated, saturated And supersaturated solutions. Solubility curves and simple deductions from them, solubility defined in terms of mole per dm<sup>3</sup> and simple calculations. Harmdttan haze and pants as examples of suspensions and fog, milk, aerosol spray and rubber solution as examples of colloids. Environmental Pollution a Sources and effects of pollutants. Sewage and oil pollution should be known. Acids, bases and salts a General characteristics and properties of acids, bases and salts! Ethanoic, citric and tartaric acids as examples of naturally occurring organic acids, alums as examples of double slats, preparation of salts by neutralization, precipitation and action of acids on metals. Oxides and trioxocarbonate IV salts b Qualitative comparison of the conduct ness of molar solutions of strong and weak acids and bases, relationship between conductance, amount of ions present and their relative mobilities. Oxidation and reduction treated as change in oxidation. IUPAC nomenclature o inorganic compounds. Electrolysis a Electrolytes and non-electrolytes. Purification of metals e. Redox series K, Na. Au, Half-cell reactions and Electrode potentials. Energy changes a Energy changes? H accompanying physical and chemical changes: H and exothermic -? GOgreater or less than zero as a criterion for non-spontaneity or spontaneity. Rates of Chemical Reaction a Elementary treatment of the following factors which can change the rate of a chemical reaction: Chemical equilibra Reversible reaction and factors governing the equilibrium position. Simple examples to include action of Steam on iron and NN No Calculation will be required. Non-metals and their compounds a Hydrogen: Chlorine as a Representative Element of the halogen Laboratory preparation, industrial preparation by electrolysis, properties and uses, e. Hydrochloric acid preparation and properties. Chlorides and test for chlorides. Laboratory preparation, properties and uses. Commercial production from liquid air. Preparation, properties and uses of sulphur IV oxide, the reaction of S<sub>0</sub>2 with alkalis Trioxosulphate IV acid and its salts, the effect of acids on salts of trioxosulphate IV ,Tetraoxosulphate IV acid. Commercial preparation contact process only , properties as a dilute acid, an Oxidizing and a dehydrating agent and uses Test for SO , Hydrogen sulphide: Preparation and Properties as a weak acid, reducing Agent and precipitating agent. Test for S<sub>2</sub>- d Nitrogen: Laboratory preparation from Ammonia; properties and Uses. Trioxonitrate V Salt-action of heat and uses. Test for N<sub>0</sub>3 V Oxides of nitrogen:

### 3: JAMB Chemistry Syllabus - Current School News : Current School News

*JAMB Syllabus for Chemistry. This is the / Version. If you have registered or plan registering for the Unified Tertiary Matriculation Examination (UTME) popularly called JAMB.*

Candidates should be able to: Atomic structure and bonding Topics: The variation of the following properties: Electrovalency and covalency, the electron configuration of elements and their tendency to attain the noble gas structure. Simple equations, uses and applications of natural and artificial radioactivity. Air a The natural gaseous constituents and their proportion in the air. Water a Water as a product of the combustion of hydrogen and its composition by volume. Temporary and permanent hardness and methods of softening hard water. Examples of the substances exhibiting these properties and their uses. Solubility a Unsaturated, saturated and supersaturated solutions. Solubility curves and simple deductions from them, solubility defined in terms of mole per dm<sup>3</sup> and simple calculations. Harmattan haze and water paints as examples of suspensions and fog, milk, aerosol spray, emulsion paints and rubber solution as examples of colloids. Environmental Pollution a Sources and effects of pollutants. Oil spillage, Biodegradable and non-biodegradable pollutants. Acids, bases and salts Topics: Ethanoic, citric and tartaric acids as examples of naturally occurring organic acids, alums as examples of double salts, preparation of salts by neutralization, precipitation and action of acids on metals. Oxides and trioxocarbonate IV salts b Qualitative comparison of the conductances of molar solutions of strong and weak acids and bases, relationship between conductance and amount of ions present. Oxidation and reduction a Oxidation in terms of the addition of oxygen or removal of hydrogen. Oxidation and reduction treated as change in oxidation number and use of oxidation numbers in balancing simple equations. Electrolysis a Electrolytes and non-electrolytes. Purification of metals e. Rates of Chemical Reaction Topics: Reversible reactions and factors governing the equilibrium position. Simple examples to include action of steam on iron and N<sub>2</sub>O<sub>4</sub> ⇌ 2NO<sub>2</sub>. No calculation will be required. Non-metals and their compounds Topics: Chlorine as a representative element of the halogen. Laboratory preparation, industrial preparation by electrolysis, properties and uses, e. Hydrogen chloride and Hydrochloric acid: Chlorides and test for chlorides. Laboratory preparation, properties and uses. Commercial production from liquid air. Acidic, basic, amphoteric and neutral, trioxxygen ozone as an allotrope and the importance of ozone in the atmosphere. Preparation, properties and uses of sulphur IV oxide, the reaction of SO<sub>2</sub> with alkalis. Commercial preparation contact process only , properties as a dilute acid, an oxidizing and a dehydrating agent and uses. Preparation and properties as a weak acid, reducing agent and precipitating agent.

### 4: Jamb Chemistry Syllabus | Updated Jamb Syllabus on Chemistry

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### 5: Chemistry Jamb Syllabus

*In addition to Jamb Chemistry Syllabus , you will also have to study Jamb syllabus for physics and Jamb Syllabus for Chemistry if you want to study a course like medicine and surgery. Of course the Study of Jamb syllabus for english should be added to it.*

### 6: / jamb syllabus for all courses - Download jamb syllabus pdf

*Chemistry Syllabus for JAMB This syllabus is divided into eighteen sections/Topics each having it own Sub Topics. NOTE: The contents of this syllabus are arranged Alphabetically for easy Understanding.*

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## JAMB SYLLABUS FOR CHEMISTRY 2018 pdf

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### 8: JAMB Syllabus For English Language - Topics To Read In English

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