

S. S. S 3

CHEMISTRY

1. Explain the extraction of the following metals (a) Na (b) Cu (c) Fe
2. Write the electronic configuration of the first ten transition elements

ECONOMICS

1. Explain marketing structure and the types
2. Explain indigenization policy in Nigeria

COMMERCE

1. Explain credit
2. List the types of credit and explain
3. What is turnover?

PHYSICS

Design a containment unit to protect an egg from a 3 story drop

CHRISTIAN RELIGIOUS STUDIES

1. From Philippians, state apostle Paul's teaching on humility. Give 5 significance
2. Expatriate on apostle Paul's teaching on forgiveness using the book of Philemon as a case study.

LITERATURE

Non – African Drama

Fence by Hustine Wilson

1. Discuss the theme of victimization and Man's inhumanity in the text
2. Comment on the role of Troy Maxson
3. Discuss the use of symbolism in the text

ENGLISH LANGUAGE

Write a story that illustrates the saying: I wish I had listened to my father. (Not less than 400 words)

AGRICULTURAL SCIENCE

1. What is fish farming?
2. Describe the construction of a fish pond

3. State and discuss five ways of preserving harvested fish
4. Draw and label a fish
5. Discuss four methods of harvesting fish
6. State 5 fishery regulations

GEOGRAPHY

1. With the aid of a diagram, describe the following:
(a) sea breeze (b) land breeze
2. (a) In what three ways is the earth different from other planets?
(b) With the aid of appropriate diagrams, account for the earth's sphericity

MATHEMATICS

1. Simplify the following: (a) $\frac{2\sqrt{50}+3\sqrt{21}}{2\sqrt{2}+7\sqrt{42}}$ (b) $\frac{10}{4\sqrt{18}-7\sqrt{8}}$
(c) $(2\sqrt{54} + \sqrt{24}) (\sqrt{6} + 3\sqrt{63})$ (d) $\frac{2}{3-\sqrt{2}} + \frac{1}{3+\sqrt{2}}$
2. (a) If $\log_{10}(2x + 1) - \log_{10}(3x - 2) = 1$
(b) solve the equation $\log_{10}(3x + 1) - \log_{10}(2x + 5) = 0$
3. A woman borrows N 180000 from a bank at 10% per annum compound interest. She repays N50000 at the end of each year. How much does she still owe at the end of 4 years?

BIOLOGY

1. On the following kidney disease write on its causative agent, symptoms, history, incubation period, treatment and prevention.
(a) Kidney stone
(b) Glomerular nephritis
(c) Diuresis

GOVERNMENT

1. Write short note on Action Group (AG)
2. Explain the formation of Northern People's Congress (NPC)

CIVIC EDUCATION

1. Explain the need for popular participation.
2. Write short note on modern and traditional popular participation.