



METHODIST BOYS' HIGH SCHOOL, LAGOS

11, SINARI DARANIJO ST. BEHIND ZENITH BANK H/Q,
OFF AJOSE ADEOGUN, VICTORIA ISLAND, LAGOS.

2019/2020 2ND TERM HOLIDAY ASSIGNMENT

MATHEMATICS

1. Out of 83 children, 39 are boys and 55 have been vaccinated. If 27 of the boys have been vaccinated, find the numbers of girls that have not been vaccinated.
2. Draw a Venn diagram with sets ϵ , A and B such that $n(A \cap B) = 5$, $n(A \cup B) = 8$, $n(A' \cap B) = 2$. If $n(\epsilon) = 26$, find a. $n(A \cap B')$ b. $n(A' \cup B')$.
3. i. Prepare a table for the graph of $y = x^2 + 3x - 4$ for values of x from -6 to +3
i. Use a scale of 1cm to 1cm on both axes and draw the graph.
ii. Find the least value of y
iii. Find the values of x when $y = 1$.
iv. State the range of values of x for which y is negative.
v. What are the roots of the equation $x^2 + 3x - 4 = 0$

ENGLISH-LANGUAGE

1. Write a letter to the Federal Minister of Health about the plight of HIV-positive children, then suggest right measures to be taken to address the problem.
2. a) list five Homophones and five Homonyms.
b) Use each word above in one sentence each.

LITERATURE-IN-ENGLISH

1. Summarize the African Prose "The Second Class Citizen" by Buchi Emecheta.
2. List four themes in the text with reference to how they are used.

CHRISTIAN RELIGIOUS STUDIES

1. a. State the roles of the following people in the church: APOSTLES, PROPHETS, EVANGELISTS, and PASTORS AND TEACHERS
2. Briefly differentiate between talents and spiritual gifts.

FINE ART

1. Look for where you are going to see clay and make a flower vase with a flower in it. Very important!

COMPUTER STUDIES

1. Define ICT
2. Define i) Broadcasting ii. Satellite Communication
3. List 3 types of broadcasting and explain any two.

DATA PROCESSING

1. Define Operating System
2. List the functions of Operating System.

IGBO LANGUAGE

N' akwukwo ihe omume na ntuziaka N' omume Asusu, Agumagu omenaala na Ewumewu Igbo Nke ndi seko ndiri Ukwu Nke mbu.

Zaa Ajuju ndi di n'isi Nke Iri na abuo "Ahiriokwu n'ihu akwukwo iri na itoolu ruo iri abuo na out (From page 19 to 21 of your Igbo work book)

GOVERNMENT

A. Read the following topics in preparation for the second part of the term.

1. Types and characteristics of government
 - i. Federal system of government (Meaning, features/characteristics, reasons for the adoption of federalism, advantages/ merits and disadvantages or demerits).
 - ii. Unitary system of government (Meaning, features/characteristics, reasons for the adoption of unitary system, advantages/ merits and disadvantages or demerits).
 - iii. Presidential system of government ((Meaning, features/characteristics, advantages/ merits and disadvantages or demerits).
 - iv. Cabinet or parliamentary system of government (Meaning, features/characteristics, advantages/ merits and disadvantages or demerits)
 - v. Confederation (Meaning, features/characteristics, advantages/ merits and disadvantages or demerits).
2. Organization and structure and arms or organs of government
 - i. The Legislature (Meaning, functions or powers, types (unicameralism and bicameralism) merits and demerits of each type) and limitations to the powers of the legislature.
 - ii. Bill: Meaning, types, procedure and how bill become laws
 - iii. The Executive (Meaning, types, functions or powers and limitations to the powers of the executive)
 - iv. The Judiciary Meaning, functions or powers and limitations to the powers of the executive

QUESTIONS

1. Mention and explain ten (10) differences between federalism and unitary systems of government.
2. Mention and explain ten (10) differences between presidential and parliamentary/cabinet systems of government

COMMERCE

1. What is Vending Machine
2. Give 5 Advantages of Vending Machine and 5 disadvantages of Vending Machine.

ECONOMICS

1. What are the differences between Limited Liability Company and partnership?
2. Explain the following (i) **PROSPECTUS** (ii) **CERTIFICATE OF INCORPORATION** (iii) **Certificate Of Trade**

BOOK KEEPING

REF BOOK: Essential Financial accounting for sss. By R.A Ibrahim et al. (New Edition)

- (1) Page 123-124. Exercise 9.1A (Ledger Accounts and the trial balance)
- (2) Page 124. Exercise 9.2

PHYSICS

Write short notes on the following

1. Gravitational field
2. Electric field
3. Magnetic field

CHEMISTRY

1. State each of the following laws of chemical combination:
 - a. law of conservation of mass
 - b. law of constant composition
 - c. law of multiple proportion
 - d. law of reciprocal proportion.
2. Study and describe an experiment each to verify:
 - a. law of constant composition and
 - b. law of multiple proportion.

(Do it in your note) 20 marks

ANIMAL HUSBANDRY

Read on respiratory system of a farm animal, and write down what you understand.

AGRICULTURAL SCIENCE

Make a note on rock

GEOGRAPHY

1. Describe in details and with diagrams - three types of mountain.
2. Highlight ten importance of mountains.

TECHNICAL DRAWING

1. Construct an octagon given the diameter as 80mm.
2. Construct a triangle given $AB = 60\text{mm}$, $\angle BAC = 60^\circ$ and the sum of other two sides is 120mm

Circumscribe a circle to the triangle constructed in question 2

FINANCIAL ACCOUNTING

REF BOOK: Essential Financial accounting for sss. By R.A Ibrahim et al. (New Edition)

1. Page 141-143. Exercise 10.1A. 10.2A, 10.3A (Bank Reconciliation)
2. Page 216-217. Exercise 16.6A (Final Account of a sole trader)
3. Page 217-218. Exercise 16.8. (Final Account of a sole trader)