

## CHEMISTRY

Holiday assignment:

Read the topic; Halogen family and answer the following questions

(A) Why is hydrochloric acid described as a typical acid? Give the equations for the reactions.

(B) Why does bleaching powder smell of chlorine in damp air?

(C) With the aid diagram, describe the laboratory preparation of Chlorine.

### SCHEME OF WORK FOR NEXT TERM

6. Organic Chemistry I	Characteristics of organic compound, classification of organic compound, Isomerism, Alkanes, Alkenes, Alkynes, and Alkanols.
7. Organic Chemistry II	Alkanoic acid, Alkanoate, Fats and oils, Soaps and Detergents, Alkanals and alkanones, Carbohydrates, Amides, Amines, Amino Acids
8. Salt Analysis	Identification of gases, Identification of cations and anions and radicals. Flame tests.

1. Halogen Family	Chlorine and its compound, Fluorine, Bromine, Iodine and their salts. Order of reactivity of halogens
2. Hydrocarbon and crude oils	Origin of crude oil, extraction, Petroleum fractions, octane number and ratings.
3. Organic Chemistry I	Characteristics of organic compound, classification of organic compound, Isomerism, Alkanes, Alkenes, Alkynes, and Alkanols.
4. Organic Chemistry II	Alkanoic acid, Alkanoate, Fats and oils, Soaps and Detergents, Alkanals and alkanones, Carbohydrates, Amides, Amines, Amino Acids
5. Salt Analysis	Identification of gases, Identification of cations and anions and radicals. Flame tests.

## ECONOMICS

Read Elasticity of supply and answer the questions that follow:

- 1) What do you understand by the term 'Elasticity of supply'?
- 2) At N10 per tuber of yam, 24 tubers were supplied and when the price increased to N12 per tuber, 30 tubers were supplied. (a) Present the above data in a table (b) Calculate the coefficient of price elasticity of supply. (c) what type of elasticity of supply is this? State the reasons.

## FRENCH

L'Education et l'internet:

Les avantages et les desavantages

## **GEOGRAPHY**

Instruction: Answer all questions. To be handwritten in fullscap sheet(s) of paper OR inside 20 Leaves exercise notebook.

1. Enumerate four features of each of wave erosion and deposition.
2. List and explain four climatic types of Nigeria

Submission: To be submitted on Monday 29th April, 2019 by 7.25 A.M

### Reference Materials

Adegoke, M. (2015): A Comprehensive Text on Physical, Human and Regional Geography for Senior Secondary Schools and Colleges. Osogbo, Aquifer Publisher.

Areola, O., Iruoghe, Ahmed, K., Adeleke, B., Cheng Leong, G. (2007): Certificate Physical and Human Geography for Senior Secondary Schools. Ibadan, University Press PLC.

Iwena, O. (2018): Essential Geography for Senior Secondary Schools. Lagos, Tonad Publishers Ltd.

Ojo, S. et al., (2007): Countdown to Senior Secondary School Certificate Examination (SSCE) Geography. Ibadan, Evans Brothers (Nigeria Publishers) Limited.

## **BIOLOGY**

Read this topic:

### **REGULATION OF INTERNAL ENVIRONMENT**

Answer the following questions in your TASK NOTE.

1. Define homeostasis
2. Explain how the kidney controls the amount of water, salts and acids in the body - osmoregulatory function of the kidney
- 3.State 5 functions of the liver

## **BOOK KEEPING**

Read the topic Nonprofit making organization and answer the following questions on a piece of paper.

- 1 Define the following terms;
  - (i) Subscription in advance
  - (ii) Entrance fees
  - (iii) Accumulated fund
  - (iv) Subscription in arrears

(v) Bar stock

2 write out the format of statement of affairs.

### GOVERNMENT

Discuss the British Colonial administration in Nigeria

*(Note: Your answer should not be less than a foolscap paper)*

### CHRISTIAN RELIGIOUS STUDIES,

The Mission of the Gentiles.

- a) Discuss in details the activities of Paul and Barnabas at Antioch, Pisidia (Acts 13;13-52)
- b) Paul and Barnabas at Iconium and Lystra. (Acts 14;1-20)

### AGRICULTURAL SCIENCE

#### INSTRUCTIONS:

- (i) Answer all the questions below
- (ii) Copy all the questions and then answer them inside your Agricultural Science note.

1. Study the composition of poultry feeds I and II as shown in the table below and use to answer questions (a) to (e).

Feed I		Feed II	
Ingredients	Amount (%)	Ingredients	Amount (%)
Maize	61.00	Maize	51.50
Wheat bran	5.50	Wheat bran	25.50
Groundnut cake	20.50	Groundnut cake	7.50
Fish meal	7.00	Fish meal	7.50
Copra cake	4.00	Oyster shell	7.50
Oyster shell	1.50	Salt	0.25
Salt	0.25	Vitamin premix	0.25
Vitamin premix	0.25		
<b>Total</b>	<b>100.00</b>	<b>Total</b>	<b>100.00</b>

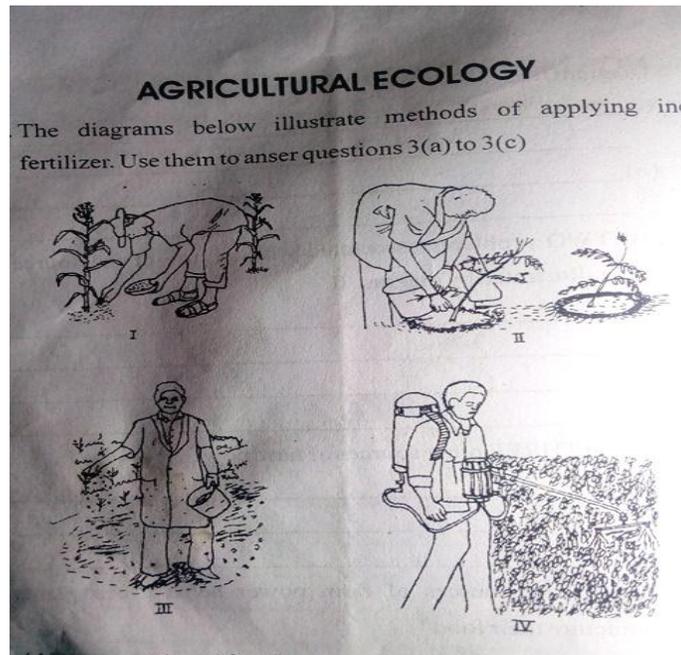
- (a) In feeds I and II, list the:
  - (i) Carbohydrate ingredients

- (ii) Protein ingredients
- (iii) Mineral ingredients
- (b) Which of the feeds has a higher:
  - (i) Energy content
  - (ii) Protein content
  - (iii) Fibre content
- (c) Which of the two feeds would be recommended for a laying flock? Give one reason for the recommendation.
- (d) State **three** functions of wheat bran and one function of salt in the foods.
- (e) State **three** ways of preventing feed wastage in poultry.

2. A series of experiments were conducted on the **three main types of soil** labelled **A, B, and C** to determine their porosity, water holding capacity and pH. The results obtained are as shown in the table below.

Soil type	Time taken for first drop of water to pass through the soils (minutes)	Volume of water that drained through the soils (cm <sup>3</sup> )	Soil Ph
<b>A</b>	<b>12.0</b>	<b>70.0</b>	<b>3.9</b>
<b>B</b>	<b>52.0</b>	<b>30.0</b>	<b>8.7</b>
<b>C</b>	<b>32.0</b>	<b>50.0</b>	<b>7.0</b>

- (a) Identify the soil types labelled **A, B, and C**.
  - (b) If 100 cm<sup>3</sup> of water was poured onto **each** soil type, determine the **water holding capacity** of each soil types labelled **A, B, and C**.
  - (c) Interpret the pH value of each soil type as given in the table
  - (d) **Which of the three soil types likely to be most productive?** Give **two** reasons for your answer.
  - (e) (i) Which of the soil types **A, B, and C** is likely to be the least productive?  
 (ii) Suggest **two** ways of improving the least productive soil.
3. **The diagrams (figure 1) below** illustrate methods of applying inorganic fertilizer. Use them to answer questions a-c.
- A. Identify **the methods** of applying inorganic fertilizers illustrated by diagrams **I, II, III, and IV** below.
  - B. List **three factors** that determine the amount of inorganic fertilizer to be applied to crops.
  - C. List **two** problems associated with the usage of inorganic fertilizers.



**Figure I**

D.

- (i) If the recommended dosage of nutrients for optimum yield of cassava is 50 Kg of nitrogen, 20Kg of phosphorus and 30 Kg of potassium per hectare, using three straight fertilizers, calculate the quantity of:
- (ii) Ammonium sulphate  $[(NH_4)_2SO_4]$  needed in 0.25 hectare plot, if it contains 21% nitrogen.
- (iii) Single superphosphate ( $P_2O_5$ ) needed in 0.25 hectare plot, if it contains 18 % phosphorus.  
Muriate of potash ( $K_2O$ ) needed in 0.25 hectare plot, if it contains 60% potassium.

### FINE ART

**INSTRUCTIONS:** Read your text book. **Cultural Creative Art for Schools and Colleges by Ibrahim Banjoko.** Answer all the questions below inside your Fine Art note.

1. Read about Indian Art and answer the following questions
  - (a) State **five** characteristics of Indian Art
  - (b) Mention the **three** focus of Indian Art.

### LITERATURE – IN – ENGLISH

**INSTRUCTIONS:** Reading Book III of Native Son. Examine the mind set of Bigger Thomas at the end of this text. (2 pages full scap sheet)

### ENGLISH LANGUAGE

**INSTRUCTIONS:** Answer this question below inside your English Language note.

**Write** a letter to your cousin in Abuja on how you intend to prepare for your G.C.E. Examination.

## PHYSICS

**INSTRUCTION: Answer all the questions below inside your Physics note.**

A man uses a rope to haul a box of weight **600 N** up an inclined plane wooden plank of effective length **3.0 m** and onto a platform **1.0 m** high. If in doing so, he exerts a force of **400 N** on the rope, calculate:

- (i) The frictional force between the case and the plank;
- (ii) The velocity ratio of the machine;
- (iii) The mechanical advantage;
- (iv) The useful work done in joules.

## DATA PROCESSING

- (1) List the steps required to print page 2, 3 and 5 of your slide.
- (2) Explain how to create a folder and how to copy a document into the folder.
- (3) List steps involved in sending message to your teacher's E-mail address.

## CIVIC EDUCATION

Read on Electoral Malpractices in your Civic Education Textbook and attempt the following questions:

1. Define Electoral Malpractices.
2. Examine the patterns of electoral malpractices in the Nigerian 2019 General Elections.
3. Explain how electoral malpractices impede human and socioeconomic development in Nigeria.

## FURTHER MATH

NEW FURTHER MATH PROJECT 2 Exercise 9B, No 6 and 7.

## MATHEMATICS

NEW GENERAL MATHEMATICS BOOK TWO, Exercise 18 B, No 4 and 5.

## YORUBA

Ka iwe lori apola ninu ede Yoruba ki o si so ohun ti apola ise ati apola oruko je pelu apeere meji meji fun ikookan.